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Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                               Database
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence:
                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB
                                                                                                                                                                                                                                                Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq
seq
 of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      length: 0
length: 2000000000
                                                                                                                                                                                                                                              Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BLOSUM62
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14.250 Million cell updates/sec
                                      100.0
100.0
100.0
100.0
100.0
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                                                                                                                  100
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                                                                                                                                                                                                                 100.0
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l: geneseqp198
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geneseqp290s:*
geneseqp2001s:*
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geneseqp2002s:*
geneseqp2003as:*
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52
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                                                                                                                                                                                                                                                DB
                                      ABP60756
ABP60753
ABP60777
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                                                                             AAB49948
ABP60779
          ADB09186
ABP60747
ABG93246
                                                                                                                                                                                                 ADM32929
                                                                                                                                       AU08670
                                                                                                          DJ68506
                                                                                                                                                                                                                                                                             SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2443163
                                                                                                                                                                                                                                               Description
                                                                                                                                                                                                                 Aap71087 Sequence
Abp54936 Active si
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Thioredox
Thioredox
                          Mycoplasm
Psittaci
Chlamydia
Chlamydia
Chlamydia
Mycoplasm
Alloiococ
                                                                                                         rECEF 84.
rECEF 84.
Human hea
                                                                                                                                      Immunoact
Thioredox
                                                                                                                                                         Thioredox
Immunomod
        Bacillus
C. albica
                                                                                                                                                                                                          Mammalian
                                                                                      A. oryzae
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45	44	43	42	41	40	39	38	37	36	35	34	ω ω	32	31	30	29	28	27	26	25
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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AD059801	ADK90667.	ABG93115	ABP60801	ABP60810	ABP60809	ABP60806 .	ABP60805	ABP60812	ABP60797	ABP60803	ABP60927	AAG80708	AAR72389	AAR47855	AAR42820	ADM32933	ADK90669	ABR41607	ABP73948	ABG93328
Ado59801 B. subtil	Adk90667 Baker's y	Abg93115 S. cerevi	Abp60801 Gallus ga	Abp60810 Rattus no	Abp60809 Oryctolag	Abp60806 Mus muscu	Abp60805 Macaca mu	Abp60812 Ovis arie		Abp60803 Homo sapi	Abp60927 Staphyloc	Aag80708 S. cerevi	Aar72389 Recombina	Aar47855 Human ADF	Aar42820 rECEF 104	Adm32933 Amino aci	Adk90669 Baker's y	Abr41607 Human DIT	Abp73948 Candida a	Abg93328 C. albica

ALIGNMENTS

RESULT 1
AAP71087
ID AAP7

AAP71087 standard; peptide; 6 AA.

AAP71087;

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XZX
                                                                                            10-FEB-1986;
14-MAR-1986;
20-OCT-1986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-MAR-2003
31-OCT-2002
06-JUN-1991
                                                                                                                                                                                                                                                                         Misc-difference
WPI; 1987-258442/37.
                                                                                                                                                            10-FEB-1987;
                                                                                                                                                                                                                          EP237189-A.
                                                                                                                                                                                                                                                                                                                         Misc-difference
                                                                                                                                                                                                                                                                                                                                                                        Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                     Redox active peptide; antioxidant; stress; ischaemia; lipid peroxidation; food industry; cosmetics; antibiotic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence of thioredoxin analogue.
                              Pigiet VP, Millis CD;
                                                                                                                                                                                           16-SEP-1987.
                                                               (REPK ) REPLIGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (revised)
                                                                                            86US-00828112.
86US-00839857.
86US-00921287.
                                                                                                                                                            87EP-00301150
                                                                                                                                                                                                                                                                                    /note= "optional, and may optionally be joined to a terminal blocking gp."
                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                         /note= "see above"
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It is a redox active peptide which can be used in cpds. to treat stress

Claim 7; Page 7; 7pp; English

states.

New and known thioredoxin metal catalysed oxidative

derivs.

ij

and analogues in biological :

s - useful for reactions and

preventing disease

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RESULT 2
ABP54936
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Best Local :
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                                                                                                                                glutathionylacetyl)amino)phenylarsenoxide (GSAO) to peptide and protein dithiols. The results indicated that GSAO selectively binds proteins containing closely spaced thiols. The invention provides a method for the treatment and/or prophylaxis of arthritis using a compound of formula A-(L-Y)p, where A is a cell-membrane impermeable pendant group, L is a linker and/or spacer, Y is an arsenoxide or arsenoxide equivalent, and p is an integer from 1 to 10. The compound, e.g. GSAO, is useful for the treatment of arthritic conditions such as calcific periarthritis, enteropathic, chumb, hip, peripheral, psoriatic, rheumatoid, septic or Jaccoud's arthritis, gout, hand or knee osteoarthritis, juvenile osteoarthritis, oligoarthritis, and polyarthritis (all claimed). The compound blocks angiogenesis in the synovial tissue and leucocyte interest the protein of training of the compound blocks angiogenesis in the synovial tissue and leucocyte in the synovial training of training training of the compound blocks are protein of the synovial training of training training of the synovial training of the content of training of the synovial training
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is that of a hexapeptide comprising the active site sequence of thioredoxin. The hexapeptide was used in an example from the invention that examined the binding of 4-(N-(S-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       osteopathic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Active site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABP54936 standard; peptide; 6
                                                                                                    ingress that triggers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 2(b); Page 42; 91pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-750519/81.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   impermeable cell membrane compound for the treatment in vertebrates. % \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antirheumatic; arthritis; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               organoarsenical; arsenoxide; antiarthritic; antigout;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                         inflammation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2e+06;
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                                                                                                    no signs or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 6;
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                                                                                                    symptoms of toxicity
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S

1 WCGPCK

Query Match Best Local S Matches 6

Similarity 6

100.0%;

Score 47; Pred. No. Mismatches

BB

<u>ن</u>

Length 6;

Indels

0

Gaps

0

Conservative

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RESULT 3
ADAO8451
ID ADAO
XX A
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Best Local Similarity
Matches 6; Conser
                                                                                        The present invention relates to a method for producing an antiangiogenesis plasmin fragment. The method comprises contacting a plasminogen polypeptide with a plasminogen activator and a plasmin reductase, where a reduced plasmin protein is produced and the antiangiogenesis plasmin fragment having anti-angiogenesis activity, is released from the reduced plasmin protein. The plasminogen activator is preferably a urokinase-type plasminogen activator. The angiogenesis plasmin fragment is A61. The plasmin reductase is selected from annexin II heterotetramer, annexin II p36 subunit, p11, thioredoxin, and protein disulphide isomerase. The annexin II heterotetramer is associated with a cell membrane. The method of the invention is useful for modulating (e.g. promoting or inhibiting) angiogenesis. The present sequence represents a mammalian cleavage peptide found in thioredoxin and protein disulphide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein distiphide isomerase; modulating and annotain; protein anti-angiogenesi urokinase-type plasminogen activator; A61; annexin II hetero annexin II p36 subunit; annexin II p11 subunit; thioredoxin; protein distiphide isomerase; modulating angiogenesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Producing an anti-angiogenesis plasmin fragment, useful for modulating, e.g. promoting or inhibiting angiogenesis, comprises contacting a plasminogen polypeptide with a plasminogen activator and a plasmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Waisman D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-NOV-2002; 2002US-00304287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mammalia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mammalian
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   Sequence 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 2; Page 6; 29pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-596985/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-NOV-2001; 2001US-0333866P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cleavage peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (WAIS/) WAISMAN D.
(KWON/) KWON M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 WCGPCK 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kwon M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 peptide; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
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Pred. No. 2e+06;
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     angiogenesis; mammalian;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         anti-angiogenesis activity;
annexin II heterotetramer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <u>ა</u>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      plasminogen activator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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Matches Query Match Best Local

6,

Conservative

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Gaps

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WCGPCK 6

Similarity

100.0%;

Score 47; DB 8; Pred. No. 2e+06; Mismatches

Length 6;

Sequence 6 AA;

invention

RESULT 6

WCGPCK

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ADM32929 standard; peptide; 6 AA.

문 5

ADM32929;

17-JUN-2004 (first entry)

Amino acid sequence of the thioredoxin active site.

mucus; sputum; lung disease; cystic thioredoxin; active site; cohesive mucus; cohesive sputum; cystic fibrosis.

Synthetic

Active-site

Modified-site Location/Qualifiers 'note= "active site of thioredoxin"

Modified-site note= "this residue is" in a reduced state"

/note= "this residue is in a reduced state"

WO2004024868-A2

25-MAR-2004

10-SEP-2003; 2003WO-US028526

10-SEP-2002; 11-APR-2003; 2002US-0409960P 2003US-0462082P

(NAJE-) NAT JEWISH MEDICAL & RES CENT

comprising a protein or reduced state. Increasing the liquefaction of excessively viscous or cohesive mucus sputum comprises contacting the mucus or sputum with a composition comprising a protein or peptide containing a thioredoxin active-site 9

Claim 13; Page 51; 69pp; English

ALBSULT 4
ADM32929
ADM32929
ADM32929
ADM32929
ACT ADM3
AC dinucleotide phosphate (reduced form) (NADPH) for reducing the thioredoxin active site of the protein, and thioredoxin reductase. The method and composition are useful for decreasing the viscosity and cohesiveness of, and increasing the liquefaction of excessively or abnormally viscous or cohesive mucus or sputum. These may be used for treating lung diseases (i.e. cystic fibrosis) in which abnormal or excessive viscosity or cohesiveness of mucus or sputum is a symptom or cause of the disease. The present sequence represents an active site of a thioredoxin, yeast thioredoxin, plant thioredoxin and mammalian thioredoxin. The composition further comprises nicotinamide-adenine contacted is located in the respiratory tract, gastrointestinal tract or reproductive tract of the patient. The composition is administered to the patient in a pharmaceutical carrier. The protein has a half-life in the patient of about 5 minutes to about 24 hours. The liquid phase of a total volume of a sample of mucus or sputum from the patient shows a statistically significant increase after administration of the composition. The protein comprises thioredoxin selected from prokaryotic The specification describes a method for increasing the liquefaction of mucus or sputum in a patient that has excessively viscous or cohesive mucus or sputum. The method comprises contacting the mucus or sputum of the patient with a composition comprising a protein or peptide containing a thioredoxin active site in reduced state. is used in the method of the invention The mucus or sputum to be

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Sequence 6 AA
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Query Match
Best Local S
Matches * 6
                                                                                                   The present invention described 4-(1(Sulfonyl)-1H-indol-2-yl)-4(hydroxy)-cyclohexa-2,5-dienone derivatives (I) and their salts, esters, amides, solvates, hydrates or protected forms. (I) have cytostatic activities, and can be used as thioredoxin reductase inhibitors. (I) can be used for treating a proliferative condition (especially colon or renal cancer) or a condition mediated by thioredoxin/thioredoxin reductase in the human or animal body. (I) are also useful for inhibiting thioredoxin/thioredoxin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4-(1(Sulfonyl)-1H-indol-2-yl)-4(hydroxy)-cyclohexa-2; 5-dienone; cytogtatic; thioredoxin reductase inhibitor; proliferative condition; colon cancer; renal cancer; thioredoxin; thioredoxin reductase; cell cycle progression; cell proliferation; apoptosis; catalytic site peptide.
                                                                                                                                                                                                                                                                                                                                                                                                 New 4-(1(sulfonyl)-1H-indol-2-yl)-4(hydroxy)-cyclohexa-2,5-dienone derivatives are thioredoxin reductase inhibitors useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADP87509;
reductase and cell cycle progression, to regulate/inhibit cell proliferation and/or to promote apoptosis in a cell in vitro or in vivo. The present sequence represents a thioredoxin family conserved catalytic site peptide, which is given in the exemplification of the present
                                                                                                                                                                                                                                                                                                                           Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-517586/49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-DEC-2002; 2002WO-GB005842
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                                                                                                                                                                                                                                                                                                                                                                                colon or renal cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (CANC-) CANCER RES TECHNOLOGY LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-DEC-2002; 2002WO-GB005842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              family conserved
                                                                                                                                                                                                                                                                                                                        Page 82;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Westwell AD,
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                                                                                                                                                                                                                                                                                                                           141pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Poole TD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 catalytic site peptide
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Pred. No. 2e+
); Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wells G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 8;
2e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Berry JM;
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                                                                                                                                                                          The present invention describes a composition (I) which modulates the CC activity of a p11 protein and effects a change in the level of plasminogen activation by a cell. Also described: (1) making (M1) a CC clonal cell line, which involves isolating a cell, then characterising CC the activity of a protein is involved in plasminogen activation; and (2) a CC clonal cell line (II) useful in the identification of composition that CC clonal cell line (II) useful in the identification of composition that CC (II) has Cytostatic activity, and can be used in antisense therapy. (I) is CC (II) has Cytostatic activity, and can be used in antisense therapy. (I) is CC (II) has Cytostatic activity of p11 which involves administering (I) to a cell. The cell can be a human cancer cell, chosen from a HT1080 (CI) to a cell. The cell can be a human cancer cell, chosen from a HT1080 (CI) to a cell. (II) is also useful for reducing the development of CC cancer in a patient e.g., mouse which involves administering (I) to a cancer cell invasion in a patient, which involves cadministering (I) to a cancer cell in the patient. (II) is useful for composition that modulates p11 activity which involves cadministering (I) to a cancer cell in the patient. (II) is useful for composition that modulates p11 activity which involves call of a clonal cell line that had not received the composition, and cativity. The present sequence represents a thioredoxin and protein cof the present invention.
                                                                   Matches
                                                                                   Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   activity of pl1 protein activation by a cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Composition useful for inhibiting growth of tumor in patient, modu activity of pl1 protein and effects change in level of plasminogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADP67423 standard; peptide; 6 AA.
                                                                                                                                   Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 2; SEQ ID NO 4; 140pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Waisman D;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MEDI-) MEDIOMICS LLC (WAIS/) WAISMAN D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pll activity modulator; plasminogen activation; cytostatic;
sense therapy; cancer; tumour; tumour growth inhibition; thioredoxin;
                                                                                                                                                                   present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                disulfide isomerase.
                                                                 6,
                                                                               Similarity
                              WCGPCK 6
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                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                               100.0%;
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                                                                               Score 47; DB 8;
Pred. No. 2e+06;
                                                                 Mismatches
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                                                                                             Length 6;
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RESULT 7
ADQ97008
ID 97008
ADQ99
XX ADQ9
AC ADQ9
XX ADQ9
XX PTIO
XX P11
XX P11
XX VIS2C
XX US2C
XX 22-1
XX US2C
XX 13-I
XX WPI 12-I
XX WPI 13-I
XX WPI 13-I
XX WPI 14-E
XX WPI 15-E
XX WPI
X S X E X E X E X S X X I
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a composition which modulates the activity of a pll protein and effects a change in the level of plasminogen activation by a cell. The composition is useful for reducing pll protein activity in cancer cells. They are also useful for inhibiting tumour growth or metastasis or treating cancer. The present sequence represents the amino acid sequence of the thioredoxin and protein disulphide isomerase common
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New composition which modulates the activity of a pll protein and a change in the level of plasminogen activation by a cell useful treating cancer or reducing pll protein activity in cancer cells.
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26-NOV-2002; 2002US-00304287
13-DEC-2002; 2002US-0433140P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   pl1 protein; plasminogen activation; tumour growth; metastasis; treating.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADQ97008 standard;
                                                                                                                                                                                                                                                                                                                                          AAW45003 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 2; SEQ ID NO 4; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     treating cancer or reducing pl1 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-579971/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Waisman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-DEC-2003; 2003US-00735577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004142897-A1
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                                                                            transplant
                                                                               Immunomodulator; immunosuppressant; immunostimulator; treatment;
transplant rejection; autoimmune disease; cancer; infection.
                                                                                                                                                                                                                             27-APR-1998
                                                                                                                                                                                                                                                                                     AAW45003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence involved
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                                                                                                                                                                     Immunomodulatory peptide D7233.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 WCGPCK 6
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                                                                                                                                                                                                                                                                                                                                       peptide; 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 47; DB
Pred. No. 2e+
0; Mismatches
                                                                                                                                                                                                                                                                                                                                             8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 8;
2e+06;
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RESULT 9
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Best Local S
Matches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY09429;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  myasthenia gravis, encephalomyelitis, phemphigus vulgaris, v
foliaceus, Senear-Usher syndrome or Brazilian phemphigus. An
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sjogren's syndrome, scleroderma, mixed connective tissue disease, type dermatomyositis, polymyositis, Reiter's syndrome, Behcet's disease, type I diabetes, Hashimoto's thyroiditis, Graves' disease, multiple sclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 12; Page 155; 183pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acids encoding cysteine- or methionine-containing peptide(s) which have immuno:stimulatory or immunosuppressive activity - can be to treat, e.g. cancers, infection, auto:immune disease or transplant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1997-526397/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bergstrand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-APR-1996;
23-SEP-1996;
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                     WPI; 1999-287953/24
                                                                Bergstrand H,
                                                                                                                                                                                                         06-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY09429 standard;
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                                                                                                                                                              10-OCT-1997;
                                                                                                                                                                                                                                                                                                  WO9919347-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Immunoactive peptide SEQ ID NO:54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ASTR ) ASTRA
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                                                                                                                                                                                                                                                                                                                                                                                           response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity 6; Conserv
                                                                                                                ASTRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ppressant can be used to treat transplant rejection or au e.g. rheumatoid arthritis, systemic lupus erythematosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                peptide is an immunosuppressant or immunostimulator.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                   immunomodulation;
                                                                     Eriksson
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96SE-00003469.
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                                                                                                                                                                                                                                                                                                                                                                                             immunoreactive;
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                                                                     Lindvall M,
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                           immunosuppression; ;
autoimmune disease
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                                                                     Saernstrand
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                                                                                                                                                                                                                                                                                                                                                                                                                   immunostimulation;
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RESULT 10
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Best Local S
Matches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        coding sequence encoding an immunoreactive peptide and further encoding protein targeting sequence. The nucleic acid is administered to a patier so that its expression product, an immunoactive peptide, modulates an immune response in a patient. The nucleic acid can also be used to treat cancer, either after surgery to remove a portion of the cancer or after ionizing radiation. A cytokine is also administered in conjunction with the nucleic acid. Cells containing the nucleic acid molecule can also be used for treatment. The immunoactive peptide is immunosuppressive and can be used in national with anticommunicative acid.
The invention relates to a novel human thioredoxin polypeptide, 22105, fragments of it and allelic variants. 22105 is useful for identifying a compound which modulates the activity or expression of the polypeptide and nucleic acid, where the binds to the polypeptide, and the binding is detected by direct detection of a test compound/polypeptide binding, by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              used for treatment. The immunoactive peptide is immunosuppressive and can
be used in patients with autoimmune disease. The present sequence
represents a specifically claimed immunoactive peptide from the present
                                                                                                                                                Novel thioredoxin polypeptides and polynucleotides for treating disorder associated with aberrant cellular proliferation or differentiation, e.g., cancer and to identify modulators for the
                                                                                                                                                                                                                                                                                                               07-MAR-2000;
                                                                                                                                                                                                                                                                                                                                                05-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cellular proliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Thioredoxin domain markov model sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAU08670 standard; protein; 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic genes encoding immunoreactive peptides containing cysteine
                                                                                                 Disclosure;
                                                                                                                                                                                                                 WPI; 2001-589945/66.
                                                                                                                                                                                                                                                 Curtis RAJ
                                                                                                                                                                                                                                                                                                                                                                                13-SEP-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chronic myelogenous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 carcinoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Thioredoxin;
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                                                                                                                                                                                                                                                                                (MILL-) MILLENIUM PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sarcoma; tumour; haemopoetic neoplastic disorder; reukaemia;
elogenous leukaemia; cardiovascular disorder; atherosclerosis;
                                                                                                 Fig 3A; 126pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   describes nucleic acid molecules comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hypertension.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  English
                                                                                                 English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
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Pred. No. 2.3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cardiant;
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for therapeutic
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a patient
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RESULT 11
AAR42822
ID AAR42
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Best Local S
Matches 6
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knhancing Factor (ECEF); thioredoxin and ADF) and encoding a polypeptide of 104 amino acids has been found to support the growth of an EBV transformed B lymphocyte cell line in the manner of IL-1; to induce the expression of IL-2 receptors in a large granular lymphocyte cell line from an ATL patient in the manner of IL-1 and to mediate the growth inhibitory properties of interferon gamma. Recombinant ECEF (rECEF) 80 is a truncated version of the 104 amino acid nolvmentide communication.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      using a competition binding assay or an assay for 22105-mediated signal transduction, and the activity of the polypeptide is a redox activity or the ability to modulate protein processing, protein folding and protein secretion. Anti-22105 antibody is useful for detecting the presence of 22105 in a sample. A modulator of 22105 is useful for treating or preventing a disorder such as cellular proliferative or differentiative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-APR-1992;
06-JUL-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-MAR-2003
04-MAY-1994
                                                                                                                                                                                                                                                                       Example 3;
                                                                                                                                                                                                                                                                                                                          Shortened Eosinophil Cytotoxicity-Enhancing Factor proteins - having Eosinophil-stimulating activity, for use in diagnosis and therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1993-336837/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Silberstein DS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-APR-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-OCT-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              therapy; thioredoxin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eosinophil cytotoxicity enhancing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAR42822 standard; protein; 80 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (BGHM ) BRIGHAM & WOMENS HOSPITAL
                                                                                                                                                                                                             14 kDa molecule designated various names
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                                                                                                                                                                                                                                                                       Page 67; 96pp;
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(first entry)
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Pred. No. 7.7;
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                                                                                                                                                                                                             (Eosinophil Cytotoxicity-
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Best Local S
Matches 6
                                     A 14 kDa molecule designated various names (Eosinophil Cytotoxicity-Enhancing Factor (ECEF); thioredoxin and ADF) and encoding a polypeptide of 104 amino acids has been found to support the growth of an EBV transformed B lymphceyte cell line in the manner of IL-1; to induce the expression of IL-2 receptors in a large granular lymphceyte cell line from an ATL patient in the manner of IL-1 and to mediate the growth inhibitory properties of interferon gamma. Recombinant ECEF (FECEF) 84 in a truncated version of the 104 amino acid polypeptide comprising the first 84 amino acids of the molecule. Some shortened ECEF's are useful because they retain eosinophil strimulating activity but lack proinflammatory dithiol reductase activity. In particular they can be used for killing tumour cells. (Updated on 25-MAR-2003 to correct PN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   first 80 amino acids of the molecule. Some shortened ECEF's are useful because they retain eosinophil stimulating activity but lack proinflammatory dithiol reductase activity. In particular they can be used for killing tumour cells. (Updated on 25-MAR-2003 to correct PN
                                                                                                                                                                                                                                                        Shortened Eosinophil Cytotoxicity-Enhancing Factor proteins - having Eosinophil-stimulating activity, for use in diagnosis and therapy.
                                                                                                                                                                                                                                                                                                                                                                                                   06-APR-1992;
06-JUL-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eosinophil cytotoxicity enhancing factor; ECEF; stimulation; diagnosis; therapy; thioredoxin.
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04-MAY-1994
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                                                                                                                                                                                                                                                                                                                  WPI; 1993-336837/42.
                                                                                                                                                                                                                                                                                                                                              Silberstein DS,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       field.)
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92US-00906842
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                                                                                                                                                                                                                             96pp; English.
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                                                                                                                                                                                   polypeptide
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                                                                                                                              for therapeutic intervention in treating a disease associated with altered mitochondrial function. Specifically, it refers to a method for identifying proteins of the human heart mitochondrial proteome that are useful for drug screening assays, as well as therapeutic targets. The present invention describes a method for identifying such proteins that can be used in the treatment of various diseases associated with altered mitochondrial function including diabetes mellitus, Huntington's disease, osteoarthritis, Leber's hereditary optic neuropathy (LHON), mitochondrial encephalopathy lactic acidosis and stroke (MELAS), myoclonic epilepsy ragged red fibre syndrome (MERAF) or cancer. Accordingly, these compositions have neuroprotective, nootropic, antidiabetic, anticonvulsant, antiarthritic, osteopathic, ophthalmological and optical anticonvulsant, antiarthritic, osteopathic, ophthalmological and
                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                          Identifying a mitochondrial target for drug screening assays and for treating diseases associated with altered mitochondrial function, comprises detecting a modified polypeptide in a sample and correlatively the disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-APR-2002; 2002US-0372843P.
17-JUN-2002; 2002US-0389987P.
20-SEP-2002; 2002US-0412418P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       neuroprotective; nootropic; antidiabetic;
osteopathic; ophthalmological; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mitochondrial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Huntington's disease; osteoarthritis Leber's hereditary optic neuropathy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mitochondrial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human heat mitochondrial protein as a therapeutic target SeqID312.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADJ68506
                                                                                                                                                                                                                                                                                                                                             This invention
                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID NO 312; 180pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-845369/78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ghosh SS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      myoclonic epilepsy ragged red fibre syndrome; MERRF; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADJ68506 standard;
                                                                                                                       cytostatic
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Local Similarity
nes 6; Conserv
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BUCK INST AGE RES.
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                                                                                                     activities. This polypeptide lal protein of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human; screening assay; diabetes mellitus;
                                                                                                                                                                                                                                                                                                                                         relates to novel mitochondrial targets that can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nootropic; antidiabetic; anticonvulsant; antiarthritic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
                   100.0%;
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                   Score 47;
Pred. No.
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                                                                                                                     sequence
                                   DB 7; Length 84
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                                                                                                                     is a human heart
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                                                  MPC. The oil bodies are further formulated for use in the preparation of a food product such as milk or wheat based food product, personal care product which reduces the oxidative stress on the surface area of the human body or used to lighten the skin, or a pharmaceutical composition used to treat chronic obstructive pulmonary disease (COPD), cataracts, diabetes, envenomation, bronchiopulmonary disease, psoriasis, malignancies, reperfusion injury, wound healing, sepsis, gastro intestinal (GI) bleeding, intestinal bowel disease (IBD), ulcers, GERD (gastro oesophageal reflux disease). ABN89569 to ABN89593 and ABP60677 the present sequence given in the exemplification of the present
                                                                                                                                                                                                                                                      associated with a recombinant multimeric protein complex (MPC). M1 comprises producing in a cell comprising oil bodies a first and second recombinant polypeptide (P1, P2), where P1 is capable of associating with P2 to form the MPC and associating the complex with an occlusion body (OB) through an OB-targeting-protein capable of associating with OB and P1. M1 is useful for producing an oil body associated with a recombinant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Producing oil body associated with recombinant multimeric protein complex e.g. redox proteins and immunoglobulins comprises producing recombinant polypeptides capable of forming the complex in cells comprising oil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Van
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bronchiopulmonary disease; malignancy; reperfusion injury; wound healing; gastro intestinal bleeding; intestinal bowel disease; ulcer; gastro oesophageal reflux disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     oil body; ophthalmological; antidiabetic; cytostatic; antipsoria vasotropic; vulnerary; antibacterial; immunosuppressive; antiulc food product; milk; wheat; oxidative stress; cataract; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ्र<sub>े रेस्ट्</sub> 30 WcdPck 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-JUL-2001;
04-DEC-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Multimeric protein; redox protein; thioredoxin; thioredoxin reductase;
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                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 81; Page 243; 362pp; English
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Val G, Zaplachinski S,
                                                                                                                                                                                                                                                                                                                                                                                 present invention describes a method (M1) for producing
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2001US-0302885P.
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Moloney M;
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                                                          bowel disease (IBD), ulcers, GERD ABN89569 to ABN89593 and ABP60677 to the exemplification of the present
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RESULT 15
AAB49948
Search completed: February 23, 2006, 23:11:52 Job time : 187 secs
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                                                                                                           Query Match 100.0%; Score 47; DB 4; Length 95; Best Local Similarity 100.0%; Pred. No. 13; Matches 6; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-MAY-1999;
18-MAY-1999;
02-JUN-1999;
                                                                                                                                                                                        The present invention provides variants of the Aspergillus oryzae protein disulfide isomerase enzyme. These are capable of reducing disulphide bonds in proteins, which may be the cause of allergies in humans. The proteins can be used to reduce the allergenicity of foods, to treat scleroproteins, in detergents, in food additives and in cosmetics
                                                                                                                                                                                                                                                                                                       Protein disulfide isomerase variant having increased reducing properties and decreased redox potential than native proteins, used to reduce allergenicity of allergic proteins in feed, food or cosmetic products.
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                                                                                                                                                                  Sequence 95 AA;
                                                                                                                                                                                                                                                                           Claim 2; Page 76-77; 82pp; English.
                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-070776/08.
N-PSDB; AAC89030.
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A;Status: preliminary A;Molecule type: DNA A;Residues: 1-89 <STO>

Genetics:

A;Cross-references: UNIPROT:Q9HMD0; UNIPARC:UPI0000063B9A; GB:AE004437; NID:g10581982;

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Leithauser, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, Jung, K.H.; Alam, M.; Freitas, T.
Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
A;Authors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Omer, A.D.; A;Title: Genome sequence of Halobacterium species NRC-1.
A;Reference number: A84160; MUID:20504483; PMID:11016950
A;Accession: E84409

Ebhardt, H.; Lowe,

T.M.; Li

M.; Shukla, H.D.; Lasky, S D.W.; Maddocks, D.G.; Jablo

C;Accession: E84409 R;Ng, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pan, M.; S

C;Species: Halobacterium sp. NRC-1 C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 05-Oct-2004

thioredoxin [imported] - Halobacterium sp. NRC-1

RESULT 1 E84409

ALIGNMENTS

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TRXRPI
                                                                                                                                                   A;Reference number: A64200; MUID:96026346; PMID:7569993
A;Accession: G64213
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C;Species: Mycoplasma genitalium
C;Date: 17-Nov-1995 #sequence_revision 16-Aug-1996 #text_change 05-Oct-2004
C;Accession: G64213
R;Fraser, C.M.; Gocayne, J.D.; White, O.; Adams, M.D.; Clayton, R.A.; Fleischmann, R.D.;
M.; Fuhrmann, J.; Nguyen, D.; Utterback, T.R.; Saudek, D.M.; Phillips, C.A.; Merrick, J.
                                                        A;Status: nucleic acid sequence not shown; translation not shown
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-102 <TIGR>
A;Cross-references: UNIPROT:P47370; UNIPARC:UPI0000136E89; GB:U39691; GB:L43967; NID:g10
A;Experimental source: strain G-37
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A; Title: The minimal gene
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C; Superfamily: thioredoxin; thioredoxin homology
                 A; Genetic code:
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Best Local Similarity
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Pred. No. 0.93;
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A;Cross-references: UNIPROT:P75512;
A;Note: the nucleotide sequence was
C;Genetics:
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F;9-90/Domain: thioredoxin homology
F;30-33/Disulfide bonds: redox-activ
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C; Superfamily: thior
F; 9-90/Domain: thior
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A;Title: Complete sequence analysis of the genome of the bacterium Mycoplasma A;Reference number: S73327; MUID:97105885; PMID:8948633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C;Species: Mycoplasma pneumoniae
A;Variety: ATCC 29342
C;Date: 27-Feb-1997 #sequence_revision 25-Apr-1997 #text_change 09-Jul-2004
C;Accession: S73896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            thioredoxin - Mycoplasma pneumoniae (strain ATCC 2 N;Alternate names: hypothetical protein A65_orf102
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                                                                                                                                                                                                                                                                                                                                              R;Stephens, R.S.; Kalman, I
Science 282, 754-759, 1998
                                                                                                                                                                                                                                                                                                                                                                                  C;Date: 13-Sep-1998 #sequence_revision 13-Sep-1998 #text_change 05-Oct-2004
C;Accession: B71503
                                                                                                                                                                                                                                                                                                                                                                                                                      probable thioredoxin - Chlamydia trachomatis (serotype D, strain UW3/Cx)
C;Species: Chlamydia trachomatis
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A;Residues: 1-102 <HIM>
A;Cross-references: UNII
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                                                                                                                                                                                                                                                      A; Molecule type: DNA
                                                                                                                                                                                                                                                                      A;Status: preliminary
                                                                                                                                                                                    ;Residues: Î-102 <ARN>
;Cross-references: UNIPROT:O84544; UNIPARC:UPI0000136E75; GB:AE001324; GB:AE001273;
;Cross-references: Serotype D, strain UW-3/Cx
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Best Local
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Best Local
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                                    WCGPCK 6
 WCGPCK 32
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100.0%; Pred. No.
                                                                                       100.0%;
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thioredoxin II - yeast (Saccharomyces cerevisiae)
N;Alternate names: protein L1933; protein YLR047c
C;Species: Saccharomyce
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A;Title: Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.
A;Reference number: A81500; MUID:20150255; PMID:10684935
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C;Species: Chlamydia muridarum, Chlamydia trachomatis MoPn
C;Date: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 05-Oct-2004
C;Accession: C81660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Species: Saccharomyces cerevisiae C;Decies: Saccharomyces cerevision 31-Dec-1991 (C;Date: 31-Dec-1991 #sequence revision 31-Dec-1991 C;Accession: S15048; A39847; S15360; S64870; B38665
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                                                                                                                                                                                                                                                                                                                                                                                                              R;Hall, D.E.; Baldesten, A.; I
Eur. J. Biochem. 23, 328-335,
A;Title: Yeast thioredoxin. A
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A;Cross-references: UNIPARC:UPI000004F943;
A;Cross-references: UNIPARC:UPI000004F943;
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A; Title: Thioredoxin deficiency in yeast prolongs S phase A; Reference number: A39847; MUID:91225027; PMID:2026619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  J. Biol. Chem. 266, 1692-1696, 1991
A;Title: Yeast thioredoxin genes.
A;Reference number: A38669; MUID:91107668;
A;Accession: S15048
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                                                                                                                                                                                                                            R;Koetter, P.; Rose, M.; Entian, K.D. submitted to the Protein Sequence Database,
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A; Residues: 1-103 < MUL>
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A;Accession: A39847
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A;Cross-references: UNIPROT:P22217; UNIPARC:UPI000004F943;
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A;Gene: SGD:TRX1; TR-II; MIPS:YLR043c
A;Cross-references: SGD:S0004033; MIPS:YLR043c
                                                                   A; Note: experimental_source
                                                                           A;Cross-references: UNIPARC:UPI000004F943; A;Note: experimental_source strain S288C
                                                                                                                         A; Molecule type: DNA
A; Residues: 1-103 < KOE>
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100.0%; Pred. No.
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(MoPn)
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                                                                                                   EMBL: Z73215; NID: g1360372; PIDN: CAA97572.1;
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                                         A;Cross-references: UNIPROT:P08628; UNIPARC:UPI0000136E96 C;Superfamily: thioredoxin; thioredoxin homology
                                                                                                                           J. Biol. Chem. 263, 9589-9597, 1988
A;Title: Amino acid sequence of thioredoxin isolated from A;Reference number: A28086; MUID:88257078; PMID:3164311
A;Accession: A28086
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R;Johnson, R.S.; Mathews, W.R.; Biemann, K.; Hopper,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  thioredoxin II - fission yeast (Schizosaccharomyces
                                                                                                       A; Molecule type: protein
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                                                                                                                                                                                                                                                            Species: Oryctolagus cuniculus (domestic rabbit);Species: 0-yctolagus cuniculus (domestic rabbit);Date: 30-Jun-1989 #sequence_revision 26-May-1994 #text_change
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ubmitted to the EMBL Data Library, October 1997;Description: TRX2, a fission yeast stress protein.;Reference number: Z23075
                                                                                       Residues: 1-104 <JOH>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Date: 03-Dec-1999 #sequence_revision
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Superfamily: thioredoxin; thioredoxin homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                        29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               type: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 WCGPCK 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6;
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ce: strain 972(-)
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homology <THR>
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Pred. No. 1
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Pred. No.
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Nature 390, 249-256, 1997

A;Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Galler, Iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo, M.F. Koetter, P.; Koningstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois, A,Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel Y, M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portetelle, Rieger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadaie, Y.; Sato, T.; Scanlon, A;Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; Seror akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Tepstra, P.; Tognoni, A.; Tosato, V.; Uchiyama, T.; Winters, P.; Wipat, A.; Yamanoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshida, K.; Authors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.
                          R;Gan,
                                                                                               thioredoxin I - yeast (Saccharomyces cerevisiae) N;Alternate names: protein G7746; protein YGR209c; C;Species: Saccharomyces cerevisiae
                                                                                                                                                                                                    RESULT 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C; Keywords: redox-active disulfide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-reterences: UNIPROT:P14949; UNIPARC:UPI000006087B; GB:J03294; GB:M26384; NID:g14 R;Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Berter C.; Bron, S.; Brouillet, S.; Bruschi, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; Cho A.; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari, E. Nature 390. 249-256 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Title: Chromosomal location of the Bacillus subtilis aspartokinase A;Reference number: A37192; MUID:90132525; PMID:2559145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R;Chen,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Experimental source:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: DNA
A; Residues: 1-104 < CHE>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Map position:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Status: nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Reference number: A69580;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    thioredoxin
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                                               Accession:
                                                                          Date: 31-Dec-1991
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Species: Bacillus subtilis
Date: 31-Jan-1992 #sequence_revision 26-May-1994 #text_change 05-Oct-2004
                                                                                                                                                                                                                                                                                                                                                                                   Matches
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piol. 135, 2931-2940, 19
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266, 1692-1696, 1991
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                                               #sequence_revision; B39847; S05793; S
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                                                                                                                                                                                                                                                                                                                                                                                                           Score 47;
Pred. No.
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Pred. No.
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                                               31-Dec-1991 #text_change 05-Oct-2004
53932; S61947; S64531; S63858; A38669
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A; Molecule type: A; Residues: 1-104
A; Cross
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C; Keywords: redo:
C; Keywords: redo:
F; 2-104/Product:
F; 9-91/Domain: tl
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A;Accession: B39847
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A;Reference number: A38669; MUID:
A;Accession: S15049
A;Molecule type: DNA
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R;Song, J.M.; Cheung, E.; Rabinowitz, J.C.
submitted to the EMBL Data Library, November 1995
A;Description: Analysis of the 15.6-kb fragment encompassing the ADE3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Note: the sequence from the summary and from Fig. R;Guerreiro, P.; Barreiros, T.; Soares, H.; Cyrne, I submitted to the EMBL Data Library, April 1995 s,Description: Sequencing of a 17.6 kb segment on the property of the segment o
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R;Hall, D.E.; Baldesten, A.; Holmgren, A.;
Eur. J. Biochem. 23, 328-335, 1971
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J. Biol. Chem. 266, 9194-9202, 1991
                                                                                                                                                                                                                                                                                                                                                                     A;Gene: SGD:TRX2; TR-I; MIPS:YGR209c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Note: the nucleotide sequence C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Yeast 12, 273-280, 1996
A;Title: Sequencing of a 17.6 kb segment on the right arm of yeast chromosome VII reveal
terial electron-transferring flavoproteins (Deta-chain) and of the Escherichia coli pho
A;Reference number: S63848; MUID:97060019; PMID:8904340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Experimental source: strain S288C
R;Guerreiro, P.; Barreiros, T.; Soares, H.; Cyrne, L.; Maia e Silva, A.; Rodrigues-Pous;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Reference number: S64517
A; Accession: S64531
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A;Residues: 1-104 <S
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A; Accession: S53932
                                                                                                                     F;31-34/Disulfide bonds:
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;Residues: 1-104 <GUE>
;Cross-references: UNIPARC:UPI000004F91C; EMBL:Z49133; NID:g790489; PIDN:CAA89002.1;
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Residues: 1-104 <GUW>
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Residues: 1-104 <MUL>
Best Local Similarity
                                           Query Match
                                                                                                                                                                     9-91/Domain: thioredoxin homology <THR>
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                                                                                                                                                                                                                                                                                           Superfamily: thioredoxin; thioredoxin homology
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Score 47;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL:Z49133; NID:g790489; PIDN:CAA89002.1; ted to the EMBL Data Library, April 1995
                                  DB 1;
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                                       Length 104;
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C;Accession: B59394; ADVIDER R;Reynolds, C.M.; Meyer, J.; Poole, L.B. R;Reynolds, C.M.; Meyer, J.; Poole, L.B. Rinchemistry 41, 1990-2001, 2002
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A;Title: Exploring the Mycoplasma capricolum genome: a minimal A;Reference number: S77739; MUID:96059641; PMID:7476192
A;Accession: S77780
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C;Species: Clostridium pasteurianum
C;Date: 02-Apr-2002 #sequence_revision 02-Apr-2002 #text_change 05-Oct-2004
C;Accession: B59394; A59394
                                                                                   R;Hammel, K.E.; Cornwell, K.L.; Buchanan, B.B.
Proc. Natl. Acad. Sci. USA 80, 3681-3685, 1936
A;Title: Ferredoxin/flavoprotein-linked pathway for the re
A;Reference number: A59432
A;Contents; annotation; purification and characterization
A;Contents; annotation; purification and characterization
                                                                                                                                                                                                                                                                                                                               A;Cross-references: UNIPARC:UPI0000174DEF R;Reynolds, C.M.; Poole, L.B.; Hammel, K.E.; Wada, K.; Buchanan, submitted to the Protein Sequence Database, September 2001
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A; Note: the nucleotide sequence
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A; Residues: 1-104 <BOR>
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C.; Shiba, T.; Hattori,
ancet 357, 1225-1240, 20
        ;Species: Gallus gallus (chicken)
;Date: 31-Mar-1989 #sequence_revi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;Cross-references: UNIPROT:Q9K8A8; UNIPARC:UPI00000C40CD; GB:AP001517; GB:BA000004; NII;Experimental source: strain C-125
                                                                                                                                                                                                                                               Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                         Cross-references:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Species: Bacillus halodurans
Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 05-Oct-2004
Accession: B84037
                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                 Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                         Residues:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Title: Whole genome
Reference number: A8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Species: Staphylococcus aureus Date: 10-May-2001 #sequence_re
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and Reference number: A83650; MUID:20512582; PMID:11058132
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                                                                                                                                                 28
                                                                                                                                                                                                                                                                                                                                                                                                         type: DNA: 1-104 <KUR>
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source: strain N315
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#sequence_revision 26-May-1994 #text_change 05-Oct-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        me sequencing of meticillin-resistant Stapylococcus aureus. A89758; MUID:21311952; PMID:11418146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #sequence_revision 10-May-2001 #text_change 05-Oct-2004
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4317-4331, 2
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K.;
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u. B101. Chem. 263, 9607-9611, 1988
A;Title: Isolation of a chicken thioredoxin cDNA clone: thioredoxin mRNA is differential
A;Reference number: A30006; MUID:88257080; PMID:2838473
A;Accession: A30006
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                                                                                                                                         F;32-35/Disulfide bonds:
                                                                                                                                                                                                                                           A; Molecule type: mRNA
                                                                                                                                                                         Superfamily: thioredoxin; thiore Keywords: redox-active disulfide
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Best Local Similarity
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                                                                     Matches
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ide bonds: redox-active #status predicted
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Search completed: February 23, Job time : 40 secs

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Result
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1: uniprot_sprot:*
2: uniprot_trembl:*
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   GenCore version 5.1.7
(c) 1993 - 2006 Biocceleration Ltd.
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060744 HUMAN
Q5T936 HUMAN
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Q61/18 MESFL
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Q4ES18 PLABE
Q4ES18 PLABE
Q5LB12 BACFN
Q64R01 BACFN
Q8AB91 BACTN
THIO MYCGA
Q9JN64 MYCGA
THIO1 CHLTE
Q6KIB7 MYCMO
THIO BACSU
TRX2 YEAST
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	; Score 47; DB 2; Length 8; Pred. No. 2; 0; Mismatches 0; Indels	itute Centre for Genome Researc he EMBL/GenBank/DDBJ databases. shown here is derived from an le genome shotgun (WGS) entry w 215.1; -; Genomic_DNA. W; 64705ABEA4A5620E CRC64;	t F., Petit J.L., Stange Sher C., Ozouf-Costaz C., S., Lutfalla G., Dossat Levy M., Boudet N., Caste Levy M., Boudet N., Caste Levy M., Boudet N., Caste Levy M., Boudet N., Watinka M., Vac Le C., McKernan K.J., McBerrov J. R., Zody M.C., Mahn D., Robster F., Saurin W., Scartier F., Saurin W., Scartier F., Saurin W., Scartier F., Sairin W., Scarties F., Sairin W.,	13-SEP-2005 (TrEMBLrel. 31, Created) 13-SEP-2005 (TrEMBLrel. 31, Last sequence update) 13-SEP-2005 (TrEMBLrel. 31, Last sequence update) 13-SEP-2005 (TrEMBLrel. 31, Last annotation update) Chromosome undetermined SCAF8161, whole genome shotgun sequence (Fragment). ORFNames=GSTENG00005813001; Tetraodon nigroviridis (Green puffer). Tetraodon nigroviridis (Green puffer). Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostom Actinopterygii, Neopterygii, Teleostei, Euteleostei; Neoteleost Acanthomorpha, Acanthopterygii, Percomorpha, Tetraodontiformes, Tetradontoidea, Tetraodontidae, Tetraodon. NCBI_TaxID=99883;		Q7P4WB_FUSNV Q5FLW1_LACAC Q6RH23_FUSNN Q74KU7_LACJO THIO_BOVIN THIO_CALJA THIO_CHICK THIO_HORSE THIO_HOMAN THIO_MOMB THIO_MOMB THIO_MOMB THIO_MOMB THIO_PIG THIO_PIG THIO_PABIT
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SWR; O60744; 1-84.

GO; GO:0005489; F:electron transporter activity;

GO; GO:00005189; P:electron transport; IEA.

InterPro; IPR006662; Thioredox dom2.

InterPro; IPR012336; Thioredox dom2.

InterPro; IPR012336; Thioredoxin_fold.

InterPro; IPR012335; Thioredoxin_fold.
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36_HUMAN
Q5T936_F
                                  Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databas EMBL, AL158158; CAI14067.1; -; Genomic_DNA.

SMR; O5T936; 1-85.

GO; GO:0005489; F:electron transporter activity; IEA.

GO; GO:0006118; P:electron transport; IEA.

InterPro; IPR006663; Thiored.

InterPro; IPR006663; Thioredox dom2.

InterPro; IPR012336; ThioredoxIn-like.

Pfam; PF00085; Thioredoxin; 1.
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"An alternative splice variant of human
Chin. Sci. Bull. 43:292-295(1998).
EMBL; AF065241; AAC17430.1; -; mRNA.
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TISSUE=Liver;
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Mammalia; Eutheria;
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PRINTS; PR00421; THIOREDOXIN
PROSITE; PS00194; THIOREDOXIN
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                        PRINTS;
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                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                        Mammalia; Eutheria;
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                     PR00421; THIOREDOXIN
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                                                                                                                                                                                                                                                                                                                                                                                              Metazoa; (
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07, Last sequence update)
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Pred. No. 2;
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n thioredoxin.";
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RESULT 4
QSVOJ2_HALMA
QSVOJ2;
AC
QSVOJ2;
AC
QSVOJ2;
DT 01-FEB-2005 (TrEMBLrel. 29,
DE Thioreday, Drachaeota; Haloarcula
OK Archaea; Euryarchaeota; Haloarcula
OK ARCHAEOTIDE SEQUENCE.
RN (1)
RN NUCLEOTIDE SEQUENCE.
RN NUC
Q9HMD0 HALSA
ID Q9HMD0 H
AC Q9HMD0;
DT 01-MAR-2
DT 01-MAR-2
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DT 01-MAR-2
DT 01-MAR-2
OC Name=trx
OS Halobact
OC Archaea;
OC Halobact
OC MCBI Tax
RN (1]
RP NUCLEOTI
RP NUCLEOTI
RC STRAIN=N
RX MEDLINE=
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Best Local S
Matches 6
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Best Local S
Matches 6
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Q9HMD0;
01-MAR-2001 (
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EMBL; AY596297; AAV46961.1; -; Genomic GO; GO:0005489; F:electron transporter GO; GO:0006118; P:electron transport; I InterPro; IPR006662; Thiored.

InterPro; IPR005746; Thioredoxin.
InterPro; IPR005663; Thioredox dom2.
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                                                                                                               Halobacterium salinarium (Halobacterium halobium).
Archaea; Euryarchaeota; Halobacteria; Halobacterialea;
Halobacteriaceae; Halobacterium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=ATCC 43049;
PubMed=15520287; DOI=10.1101/gr.2700304;
Baliga N.S., Bonneau R., Facciotti M.T., Pan N
Baliga N.S., Shannon P., Chiu Y., Weng R.S.,
Date S.V., Marcotte E., Hood L., Ng W.V.;
"Genome sequence of Haloarcula marismortui: a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=trxA3; OrderedLocusNames=rrnAC2110;
Haloarcula marismortui (Halobacterium ma
NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
STRAIN=NRC-1 / ATCC 700922 / JCM 11081;
MEDLINE=20504483; PubMed=11016950; DOI=10.1073
                                                                                                                                                                                                                                     01-MAR-2001
01-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pfam; PF00085; Thioredoxin; 1 PRINTS; PR00421; THIOREDOXIN.
                                                                                                                                                                                                             Thioredoxin.
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                                                                                                                                                                                       Name=trxA2; OrderedLocusNames=VNG2600G;
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Pred. No. 2.1
); Mismatches
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Pred. No.
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    DOI=10.1073/pnas.190337797;
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Gan R.R., H
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RESULT 6
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P96132;
15-JUL-1998
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                                                                                                                                                                                                                                                                                                    This
            InterPro; IPR006663; Thioredox dom2.
InterPro; IPR005746; Thioredoxin.
InterPro; IPR012336; Thioredoxin-like.
InterPro; IPR012335; Thioredoxin_fold.
                                                                                                                                    EMBL; U75512; AAB36882.1;
HSSP; P00274; 2TRX.
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                                                                                                                                                                                                                                                     the
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Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=M1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Thiocapsa roseopersicina.
Bacteria; Proteobacteria;
Chromatiaceae; Thiocapsa.
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InterPro; IPR006662; Thiored.
InterPro; IPR005746; Thioredoxin.
InterPro; IPR006663; Thioredox dom2.
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HSSP; P10599; 1ERV.
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                                                                                                              InterPro;
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                                                                                                                                                                                                                                                                                                                                                SIMILARITY: Belongs to the thioredoxin family. SIMILARITY: Contains 1 thioredoxin domain.
                                                                                                                                                                                                                                                                                                                                                                                                                    FUNCTION: Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions (By
                                                                                                                                                                                                                                                          European
                                                                                                                                                                                                                                                                                                                                                                                                 similarity)
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Pred. No. 2.2;
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Thorsson V., Sbrogna J.,
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SEQUENCE
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PROSITE; PS00194; THIOREDOXIN; 1.

Electron transport; Redox-active center;

DISULFID 33 36 Redox-active

NON_TER 91 91
                                                            Q4Z518 PLABE
Q4Z518;
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13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005) (TrEMBLrel. 31, Thioredoxin, putative (Fragm ORFNames=PB000593.00.0;
                                                                                                                                                                                                                                                                                                      InterPro; IPR006662; Thiored.
InterPro; IPR006663; Thioredox dom2.
InterPro; IPR012336; ThioredoxIn-like.
InterPro; IPR012335; ThioredoxIn_fold.
Pfam; PF00085; Thioredoxin; 1.
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Hall N., Karras M., Raine J.D.,
Berriman M., Florens L., Jansse
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                                                                                                                                                                                                                                                                                                                                                                                                                      transcriptomic, and proteomic Science 307:82-86(2005).
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NCBI_TaxID=5825;
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EMBL/GenBank/DDBJ whole genome shotgun (WGS)
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InterPro; IPR006663; Thioredox dom2.
InterPro; IPR005746; Thioredoxin.
InterPro; IPR012336; Thioredoxin-like.
InterPro; IPR012335; Thioredoxin-fold.
Pfam; PF00085; Thioredoxin; 1.
PRINTS; PR00421; THIOREDOXIN.
TIGRPAMS; TIGR01068; thioredoxin; 1.
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                                                                                                                                                                                                                                                                                                                  Cerdeno-Tarraga A.-M., Patrick S., Crossman L.C., Blakely (Abratt V., Lennard N., Poxton I., Duerden B., Harris B., Qu Barron A., Clark L., Corton C., Doggett J., Holden M.T.G., Line A., Lord A., Norbertczak H., Ormond D., Price C., Rabbinowitsch E., Woodward J., Barrell B.G., Parkhill J.; "Extensive DNA inversions in the B. fragilis genome controgene expression.";
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EMBL; CAARIO1006448; CAH94443.1; -; Genomic_DNA.

InterPro; IPR006662; Thiored.

InterPro; IPR016663; Thioredox dom2.

InterPro; IPR012336; ThioredoxIn-like.

InterPro; IPR012335; ThioredoxIn fold.

Pfam; PF00085; Thioredoxin; 1.
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01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
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                                                                                                                                                                                                                                                                     Science 307:1463-1465(2005).
EMBL; CR626927; CAH08710.1;
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NCBI_TaxID=272559;
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                      TIGRFAMS; TIGR010
PROSITE; PS00194;
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Pred. No. 2.3;
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                                                                                                                                                                                                                                                               Genomic_DNA
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(class); Bacteroidales;
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RESULT 11

QBAB91 BACTN

ID ABB1B1 BACTN

AC QBAB91;

DT 01-JUN-2003 (T

DT 01-WAR-2004 (T

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GN OrderediccuseNa

OS Bacteroides th

OC Bacteria; Bact

OC Bacteria; Bac
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Q64RG1 FINIT 25-OCT-2
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SEQUENCE
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                                                                                                                                             Bacteroides thetaiotaomicron.
Bacteria; Bacteroidetes; Bact
Bacteroidaceae; Bacteroides.
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Kuwahara T., Yamashita A., Hirakawa H., Nakayama H., Toh H.,
Kuhara S., Hattori M., Hayashi T., Ohnishi Y.;
Kuhara S., Hattori M., Hayashi T., Ohnishi Y.;
"Genomic analysis of Bacteroides fragilis reveals extensive
inversions regulating cell surface adaptation.";
proc. Natl. Acad. Sci. U.S.A. 101:14919-14924 (2004).
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Bacteria; Bacteroidetes; Bacteroidetes (class); Bacteroidales;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q64RG1_BACFR
Q64RG1;
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       NUCLEOTIDE SEQUENCE.
STRAIN=VPI-5482 / ATCC 29148;
                                                                                                                                                                                                                                            OrderedLocusNames=BT0219;
                                                                                                                                                                                                                                                                                       Thioredoxin C-2.
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                                                                                                      NCBI_TaxID=818
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Pfam; PF00085; Thioredoxin; 1.
PRINTS; PR00452; SH3DOMAIN.
PRINTS; PR00421; THIOREDOXIN.
TIGRPAMS; TIGR01068; Thioredoxin; 1.
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28-FEB-2003
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                                                    This Swiss-Prot entry is copyright. It between the Swiss Institute of Bioinfo
                                                                                                                                            Microbiology 149:2307-2316(2003).
-!- FUNCTION: Participates in various redox reactions reversible oxidation of its active center dithiol
                                                                                                                                                                                     Papazisi L., Gorton T.S., Kutish G., Markham F Nguyen D.K., Swartzell S., Madan A., Mahairas "The complete genome sequence of the avian pat gallisepticum strain R(low).",
                                                                                                                                                                                                MEDLINE-22830409; PubMed-12949158; DOI=10.1099/mic.0.26427-0; Papazisi L., Gorton T.S., Kutish G., Markham P.F., Browning G. Nguyen D.K., Swartzell S., Madan A., Mahairas G., Geary S.J., "The complete genome sequence of the avian pathogen Mycoplasma" The complete genome sequence of the avian pathogen Mycoplasma
                                                                                                                                                                                                                                                                                                                       MEDLINE=21956528; PubMed=11959450; Skamrov A.V., Feoktistova E.S., Gol'dman M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                          Mycoplasma gallisepticum.
Bacteria; Firmicutes; Mollicutes;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Name=trxA; Synonyms=trx; ORFNames=MGA_0452;
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Science 299:2074-2076(2003).
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"A genomic view of the human-Bacteroides thetaiotaomicron symbiosis.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=22550858; PubMed=12663928; DOI=10.1126/science.1080029; Xu J., Bjursell M.K., Himrod J., Deng S., Carmichael L.K.,
                                                                                                                                                                                                                                                          STRAIN=R(low)
                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                    STRAIN=A5969Var.B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-MAY-2005
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                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=2096;
                                                                                                                                                                                                                                                                                               "Mycoplasma gallisepticum rpoA gene cluster.";
FEMS Microbiol. Lett. 208:281-285(2002).
                         European
as long a
                                                                                          SIMILARITY: Belongs to the thioredo SIMILARITY: Contains 1 thioredoxin
                                                                                                      SIMILARITY: Belongs
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RESULT 13
Q9UN64 MYCGA
ID Q9UN64 MYCGA P
AC Q9UN64 O1-OCT-2000 (7)
DT 01-CCT-2000 (7)
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InterPro; IPR006663; Thioredox dom2.
InterPro; IPR005746; ThioredoxIn.
InterPro; IPR012336; Thioredoxin-like.
InterPro; IPR012335; Thioredoxin fold.
InterPro; IPR011594; Thioredoxin_like.
Pfam; PF00085; Thioredoxin; 1.
                                InterPro;
InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=96320025; PubMed=8754006; Skamrov A.V., Bibilashvili R.Sh.; PubMed=8754006; Bysical map of Mycoplasma gallisepticum strain A5969 determination of its positions on certain genes."; Mol. Biol. (Mosk.) 30:585-594(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=92038016; PubMed=1718781; DOI=10.1016/0014-5793(91)81106-I; Skamrov A.V., Bibilashvili R.S.; "Mycoplasma gallisepticum strain S6 genome contains three regions "Mycoplasma gallisepticum strain S6 genome contains with 23 S and provide and with 16 S rRNA and two regions hybridizing with 23 S and provide and two regions hybridizing with 23 S and provide and two regions hybridizing with 23 S and provide and two regions hybridizing with 23 S and provide and provide and two regions hybridizing with 23 S and provide and two regions hybridizing with 23 S and provide and two regions hybridizing with 23 S and provide and two regions hybridizing with 23 S and provide and pr
                                                         GO; GO:0005489; F:electron ty
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InterPro; IPR006662; Thiored
InterPro; IPR006663; Thiored
InterPro; IPR005746; Thiored
                                                                                                                                                                                                                EMBL; L35043; AAF36768.1; -; HSSP; P80579; 1NW2.
                                                                                                                                                                                                                                                                                Skamrov A., Feoktistova Submitted (FEB-2003) to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mycoplasma gallisepticum.
Bacteria; Firmicutes; Mol
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EMBL; AE016969; AAF56983.1; J
HSSP; P80579; 1QUW.
                                                                                                                                                                                                                                                                                                                                         STRAIN=A5969;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=A5969
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Thioredoxin_fold.
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                                                                                                                                                   transporter transport; I
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                                                                                                                                                                                                                                                                             Goldman M., Beabealashvilli
EMBL/GenBank/DDBJ databases
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Last sequence update)
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Pred. No. 2.4;
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CSTRAIN=TLS / ATCC 49652 / DSM 12025;

WEDLINE=22103685; PubMed=12093901; DOI=10.1073/pnas.132181499;

KA Eisen JA., Welson K.E., Paulsen I.T., Heidelberg J.F., Wu M.,

A Hickey E.K., Peterson J.D., Durkin A.S., Kolonay J.F., Yang F.,

A Holt I.E., Umayam L.A., Mason T.M., Brenner M., Shea T.P.,

A Holt I.E., Nierman W.C., Feldblyum T.V., Hansen C.L., Craven M.B.,

Parksey D.S., Nierman W.C., Feldblyum T.V., Hansen C.L., Craven M.B.,

Radune D., Vamathevan J.J., Khouri H.M., White O., Gruber T.M.,

Ketchum K.A., Venter J.C., Tettelin H., Bryant D.A., Fraser C.M.;

"The complete genome sequence of Chlorobium tepidum TLS, a

photosynthetic, anaerobic, green-sulfur bacterium.";

photosynthetic, anaerobic, green-sulfur bacterium.";

photosynthetic, anaerobic in various redox reactions through the

reversible exidation of its active center dithiol to a disulfide .

-i- FUNCTION: Participates in various redox reactions.

-i- SIMILARITY: Belongs to the thioredoxin family.
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Best Local Similarity
Matches 6; Conserv
Query Match
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PRINTS; PR00421; THIOREDOXIN.
PRODOM; P0003679; Thioredoxin like; 1.
TIGRFAMS; TIGR01068; thioredoxin; 1.
TIGRFAMS; THOREDOXIN; 1.
PROSITE; PS00194; THIOREDOXIN; 1.
PROSITE; PS00194; THIOREDOXIN; C2DFB42A6DBF3C38 CRC64;
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28-FEB-2003 (Rel. 41, Last sequence up
13-SEP-2005 (Rel. 48, Last annotation
Thioredoxin 1 (Trx-1).
                                             Complete proteome; Electron transport; Redox-active center; DISULFID 25 28 Redox-active (By similarity).
                                                                          PRINTS; PR00421; THIOREDOXIN.
TIGREAMS; TIGR01068; thioredoxin; 1.
PROSITE; PS00194; THIOREDOXIN; 1.
                                                                                                                            InterPro; IPR006662; Thiored.
InterPro; IPR006663; Thioredox dom2.
InterPro; IPR005746; ThioredoxIn.
InterPro; IPR012336; ThioredoxIn.-like.
InterPro; IPR012335; ThioredoxIn_fold.
Pfam; PF00085; Thioredoxin; 1.
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                                SEQUENCE
                                                                                                                                                                                                                             TIGR; CT0785;
                                                                                                                                                                                                                                                                                                                                            between
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                                101 AA;
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                                11247 MW;
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Pred. No. 2.4;
Score 47;
                                BA78E5511900B754 CRC64;
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Search completed: February 23,

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RESULT 15
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ID Q6KIET;
AC Q6KIET;
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A Birren B., Berg H.C., Church G.M.;

T "The complete genome and proteome of Mycoplasma mobile.";

Genome Res. 14:1447-1461(2004).

R EMBL; AE017337; AAT27629.1; -; Genomic_DNA.

R HSSP; P10599; 1AUC.

RGO; GO:0005489; F:electron transporter activity; IEA.

RGO; GO:0005118; P:electron transport; IEA.

R GO; GO:0006118; P:electron transport; IEA.

R InterPro; IPR006662; Thioredox.

R InterPro; IPR012336; Thioredox.dom2.

R InterPro; IPR012335; Thioredoxin_fold.

R Pfam; PF00085; Thioredoxin_fold.

R Pfam; PF00085; Thioredoxin_fold.
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Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mycoplasma mobile.
Bacteria; Firmicutes; Mollicutes; Mycoplasmataceae; Mycoplasma.
                                                                                                                    Complete proteome. SEQUENCE 101 AA;
                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=163K / ATCC 43663;
PubMed=15289470; DOI=10.1101/gr.2674004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Name=trxA; OrderedLocusNames=MMOB1430;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Thioredoxin.
                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=2118;
                                                                                                                                                 PROSITE; PS00194; THIOREDOXIN;
                                                                                                                                                               PRINTS; PR00421; THIOREDOXIN
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28 WCGPCK 33
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                                                           Score 47; DE
Pred. No. 2.4
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Maximum Match 100%
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length: 2000000000
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Match Length
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US-09-601-144-68
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US-07-745-382-22
US-07-745-382-22
US-08-165-301A-26
US-08-165-301A-26
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US-08-165-301A-26
US-08-165-301A-26
US-08-165-301A-26
US-08-110-436-22
US-08-810-436-28
US-08-810-436-28
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US-09-465-885-17
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US-09-248-796A-19911
PCT-US94-14179-22
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US-08-627-907A-6
US-07-901-713A-3
US-08-750-142B-54
                                   PCT-US94-14179-26
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Sequence 54, Appl
Patent No. 5210073
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10, Appl
19911, A
22, Appl
26, Appl
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US-09-107-433-5104	US-09-583-110-5222	US-09-272-342B-6	US-09-270-767-47690	US-09-270-767-32473	US-09-741-243C-4	US-08-775-978-3	US-08-775-978-1	US-09-166-966E-8	US-09-328-352-5360	US-09-765-272A-40	US-09-765-271-40	US-09-536-784-40	US-08-961-083-40	US-09-272-342B-5	US-09-949-016-9663	US-09-489-039A-8017	US-09-543-681A-4397
Sequence 5104, Ap	Sequence 5222, Ap	Sequence 6, Appli	Sequence 47690, A	Sequence 32473, A	Sequence 4, Appli	Sequence 3, Appli	Sequence 1, Appli	Sequence 8, Appli	Sequence 5360, Ap	Sequence 40, Appl	Sequence 40, Appl	Sequence 40, Appl	Sequence 40, Appl	Sequence 5, Appli	Sequence 9663, Ap	Sequence 8017, Ap	Sequence 4397, Ap

ALIGNMENTS

RESULT 1 US-08-883-804-5

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Query Match
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Patent No. 5985261

GENERAL INFORMATION:
APPLICANT: White, Carl W.
APPLICANT: Das, Kumuda C.
TITLE OF INVENTION: USE OF THIOREDOXIN-LIKE MOLECULES FOR
TITLE OF INVENTION: INDUCTION OF MASOD TO TREAT OXIDATIVE DAMAGE
NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                              TELEFAX: 303/863-0223
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/883
FILING DATE:
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 31,020
REFERENCE/DOCKET NUMBER: 2879
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/663-9700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Sherlaan KUDDRESSEE: 3500 STREET: 1700 Lincoln Street, Suite 3500
                                                                                                                                                                                                TYPE:
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                                                                     Score 47; DB 1;
Pred. No. 4.6e+05;
, Mismatches 0;
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                                                                                                       Length 6;
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; MOLECULE TYPE: peptide
US-08-627-907A-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent NO. OF THE PARTICLE PARTICLE PARTICLE PARTICIANT: HIRANO, NAOTO
APPLICANT: HIRAN, HISANATU
APPLICANT: HIRAN, HISANATU
TITLE OF INVENTION: SEQUENCE ENCODING THE SAME
TITLE OF INVENTION: SEQUENCE ENCODING THE SAME
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                                                                                                                                                                                                                               Patent No. 629120
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Best Local Similarity
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 5-238402
APPLICATION NUMBER: JP 5-238402
FILING DATE: 24-SEP-1993
PRIOR APPLICATION NUMBER: PCT/JP94/01572
APPLICATION NUMBER: PCT/JP94/01572
FILING DATE: 22-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: HALEY Jr., James F.
REGISTRATION NUMBER: 27,794
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: SHGN-10
TELECOMMUNICATION INFORMATION:
CURRENT APPLICATION NUMBER: US/07/901,713A
                   TITLE OF INVENTION: METHOD FOR INCREASING PRODUCTION OF TITLE OF INVENTION: DISULFIDE BONDED RECOMBINANT PROTEINS BY SACCAROMYCES TITLE OF INVENTION: CEREVISIAE FILE REFERENCE: 18469
                                                                                          APPLICANT:
                                                                                                                               APPLICANT:
                                                                                                                                                                  APPLICANT: Tuite, Michael F.
APPLICANT: Freedman, Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (212) 596-9000
TELEPAX: (212) 596-9090
INFORMATION FOR SEQ ID NO: 6:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
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                                                                                                                                                                                                                                              Application US/07901713A
                                                                                          Montgomery, Donna L. Ellis, Ronald W.
                                                                                                                                                  Markus, Henry Z.
                                                                                                                               Schultz, Loren D.
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1251 Avenue of the Americas
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Pred. No. 4.6e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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US-08-750-142B-54
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: S. cerevisiae PDI thioredoxin active site US-07-901-713A-3
                                                                    US-08-750-142B-54
                                                                                                                    TELEFAX: 617-5% ... 54
INFORMATION FOR SEQ ID NO: 54
SEQUENCE CHARACTERISTICS:
"FRIGTH: 12 amino acids
              Query Match
Best Local S
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NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 54, Appli
Patent No. 6228373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
 Matches
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                  REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 06
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                     FILING DATE: 24-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fraser Tanin "
                                                                                                                                                                                                                                                                                                                                                   CURRENT AFFIANCE US/08//50,1722 APPLICATION NUMBER: US/08//50,1722 FILING DATE: 25 NOV-1996
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: PCT/SE96/00365
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Sarnstrand, Bengt
TITLE OF INVENTION: NEW PEPTIDES WITH
TITLE OF INVENTION: IMMUNOMODULATORY EFFECTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
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                                                                                                                                                                      TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/
FILING DATE: 22-MAR-1996
APPLICATION NUMBER: SE95
                                                                                                    TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                       NAME: Fraser, Janis K. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: US
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Similarity 6; Conserv
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Lindvall, Magnus
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 Conservative
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                   100.0%;
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               Score 47; DB 2; Length 12; Pred. No. 0.75;
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Best Local Similarity
"---hes 6; Conserve
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MITSUI, AKIRA;HIRAKAWA, TADASHI
; TITLE OF INVENTION: METHOD FOR TRREATING CANCER THERAPY
;RADIATION DAMAGE OR ARTERIOSCLEROSIS USING HUMAN ADF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No.
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                                                                                                   SEQUENCE CHARACTERISTICS:
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CURRENT APPLICATION DATA:
                                                                                                                                                        NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REGISTRATION NUMBER: PF-
TELECOMUNICATION INFORMATION:
TELEPHONE: 415-855-555
                                                                                                                                                                                                                                                                                  FILING DATE: Herewit CLASSIFICATION: 530 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                    SOFTWAKE: CUTTON DATA:
CURRENT APPLICATION DATA:
US/08/826,910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ent No.
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                                                                                                                                                                                                                                FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hillman, Je
APPLICANT: Shah, Purvi
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                            MMEDIATE SOURCE:
                                          STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
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CITY: Palo Alto
LIBRARY: GenBank CLONE: 339649
                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TLE OF INVENTION:
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                                                                       TYPE: amino acid
                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
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                                                                                    105 amino acids
                                                                                                                                                415-845-4166
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                                          linear
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                                                         single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Jennifer L.
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Best Local Similarity
Matches 6; Conserv
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Best Local Similarity
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                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/826,910 FILING DATE: Herewith
                                                                                                                                                                                                                                                                                        NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                         IMMEDIATE SOURCE:
LIBRARY: GenBank
                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 530 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
ADDRESSEE: Incyte Pl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Hillman, APPLICANT: Shah, Pu
                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
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TITLE OF INVENTION: TH
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                                                                                                                 MEDIA.
LIBRARY: GE...
NE: 453972
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OPERATING SYSTEM:
                                                                                                                                                                                     STRANDEDNESS:
                                                                                                                                                                                       LENGTH: 100 acid
                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 94304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET:
                                                                                                                                                                        TOPOLOGY:
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31 WCGPCK 36
                         1 WCGPCK 6
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3174 Porter Drive
                                                                                                                                                                                                                 105 amino acids
                                                                                                                                                                                                                                                                            415-845-4166
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                                                      Conservative
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                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IBM Compatible
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100.0%; Pred. No. 4.4;
                                                                     100.0%; Score 47; DB 1 100.0%; Pred. No. 4.4;
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                                                                                                                                                                                                                                               4.
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                                                        Mismatches
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                                                                                   DB 1;
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RESULT 8 US-09-601-144-68

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Sequence 68, Application US/09601144 Patent No. 6566514

GENERAL INFORMATION:
APPLICANT: Wright, Jim A.
APPLICANT: Young, Aiping H.

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Query Match
Best Local Similarity
Thehas 6; Conserv
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APPLICANT: Dundas Milne Edwards, J.B.
APPLICANT: Dundas Milne Edwards, J.B.
APPLICANT: Dundas Milne Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
                                                                                                                                                                   Sequence 10, Application US/08386729A
patent No. 5733435
GEMERAL INFORMATION:
APPLICANT: Aharonowitz, Yair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 8037
LENGTH: 105
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 68
                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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TITLE OF INVENTION: OLIGONUCLECTIDE SEQUENCES COMPLEMENTARY TO THIOREDOXIN TITLE OF INVENTION: AND THIOREDOXIN REDUCTASE GENES AND METHODS OF USING TITLE OF INVENTION: SAME TO MODULATE CELL GROWTH

FILE REFERENCE: 683-112US-A
CURRENT APPLICATION NUMBER: US/09/601,144
CURRENT APPLICATION NUMBER: US/09/601,164
PRIOR APPLICATION NUMBER: US/09/601,196
PRIOR APPLICATION NUMBER: US/09/073,196
PRIOR FILLING DATE: 1998-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Human
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                                                                                                               APPLICANT:
                                                         APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
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               Argaman, Anat
Av-Gay, Yossef
Nan, Helena M.
Kattevilder, Alfred
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                                                                                     Bovenberg, Roelor
Schreiber, Rachel
                                                                                                                                                 Van Der Voort, Lucia H. M.
                                                                                                                               Cohen, Gerald
Pallissa, Harriet
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Query Match
Best Local Similarity
Thes 6; Conserve
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US-07-745-382-22
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                                                                                                                                                                                                                                                                     Sequence 22, Appli
Patent No. 5270181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 32,750
REFERENCE/DOCKET NUMBER: GBRO-024/02US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 926-6200
TELEPHONE: (415) 954-3713
INFORMATION FOR SEQ ID NO: 10:
SECHENCE CURDA COMMUNICATION IN SEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/274,043
APPLICATION NUMBER: US 07/820,688
APPLICATION NUMBER: US 07/820,688
FILING DATE: 24 MARCH-1992
APPLICATION NUMBER: PCT/NL91/000101
FILING DATE: 18-JUNE-1991
APPLICATION NUMBER: EP 90201598.1
FILING DATE: 18-JUNE-1990
AFTORNEY/ACENT INFORMATION:
                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: LaVallie, Ec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                       TITLE OF INVENTION: Peptide and TITLE OF INVENTION: Thioredoxin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
COMPUTER READABLE FORM:
                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 2882 Sand
CITY: Menlo Park
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 10 CLASSIFICATION:
                          COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                        STATE:
                                                                            CITY:
                                                                                           STREET:
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                                                                                                                 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                        31 WCGPCK 36
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                                                                          Cambridge
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                                                      Massachusetts
                                                                                                                                                                                                                                                                                           Application US/07745382
                                                                                           E: Genetics Institute,
87 CambridgePark Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           106 amino acids
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2882 Sand Hill Road, Ste. 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 47; DB 1; Length 106; 100.0%; Pred. No. 4.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          An oxido reductase enzyme system obtainable from P. chrysogenum, the set of genes encoding the same and the use of oxido reductase enzyme systems or genes encoding the same for increasing antibiotic production
                                                                                                                                                       24
                                                                                                                                                                                                              Edward
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and Thioredoxin-Like Molecules
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MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS

PatentIn Release #1.0, Version #1.25

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 06-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: CSETT, LUAND
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: GI5188A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 876-1170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                         NERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: LAVallie, Edward
APPLICANT: LAVallie, Edward
TITLE OF INVENTION: Peptide and Protein Fusions To
                                                                              FILING DATE: 06-FEB-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,382
FILING DATE: 14-AUG-1991
                                                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/652,531
                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: 15
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                         NAME: CBERT, LUANN
REGISTRATION NUMBER: 31,822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/652,531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
REFERENCE/DOCKET NUMBER: GI
                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                              APPLICATION NUMBER: U:
FILING DATE: 19920728
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                                                                                                                                                                                                                                                                                                                                                                                       B: Genetics Institute,
87 CambridgePark Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      109 amino acids
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               G15188A
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                          Inc.
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RESULT 14 US-08-165-301A-26

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                                        Query Match
Best Local Similarity
Thehes 6; Conserve
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US-08-165-301A-22
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Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:

'Oo smino acid
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                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Meinert, M. C.
REGISTRATION NUMBER: 33,544
                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: GI
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                  COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Palanam
                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                             LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION:
32 WCGPCK 37
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                           1 WCGPCK 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 WCGPCK 6
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                                                                                                                                               amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cambridge
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Massachusetts
                                                                                                                                                             109 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  87 CambridgePark Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                           U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LaVallie,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DiBlasio-Smith,
                                                                                                                                                                                                                                                                                                                                                          PatentIn Release #1.0, Version #1.25
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                                                                                                                                                                                                                     (617)
                                                                                                                                                                                     876-5851
NO: 22:
                                                                                                                                                                                                                                                                                                      435
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                                                                                                                                                                                                                   876-1170
                                                                 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PEPTIDE AND PROTEIN FUSIONS TO THIOREDOXIN, THIOREDOXIN-LIKE MOLECULES, AND MODIFIED THIOREDOXIN-LIKE MOLECULES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 47; DB 100.0%; Pred. No. 4.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Edward R.
                                                                                                                                                                                                                                                                                                                             US/08/165,301A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Elizabeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                 Score 47;
Pred. No.
                                                                                                                                                                                                                                              5188D
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                                                                              DB 1; Length 109;
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                                                      Indels
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Application US/08165301A

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MOLECULE TYPE: protein
US-08-165-301A-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/165,301A
FILING DATE:
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28, Application US/08165301A Patent No. 5646016
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                           GENERAL INFORMATION:

APPLICANT: McCoy, John
APPLICANT: Diblasio-Smith, Elizabeth
APPLICANT: Grant, Kathleen
APPLICANT: Grant, Kathleen
APPLICANT: LaVallie, Edward R.
TITLE OF INVENTION: PEPTIDE AND PROTEIN FUSIONS TO
TITLE OF INVENTION: THIOREDOXIN, THIOREDOXIN-LIKE MOLECULES, AND MODIFIED
TITLE OF INVENTION: THIOREDOXIN-LIKE MOLECULES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Meinert, M. C.
REGISTRATION NUMBER: 33,544
REFERENCE/DOCKET NUMBER: GI 5188D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 876-1170
TELEPAX: (617) 876-5851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (617) 876-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 109 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
TITLE OF INVENTION:
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APPLICANT: LaVallie, Edward R.
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: Massachusetts COUNTRY: U.S.A.
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                                                              COUNTRY:
                                                                                                        CITY: Cambridge
                                                                                                                              STREET:
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                                                                                    Massachusetts
                                                                                                                         E: Genetics Institute, Inc
87 CambridgePark Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 47; DB 1; Length 109; milarity 100.0%; Pred. No. 4.6; Conservative 0; Mismatches 0: Indels
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                                                              U.S.A.
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US-08-165-301A-28
                                                                         Query Match
Best Local Similarity
Matches 6; Conserv
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ATTORNEY/AGENT INFORMATION:
ANAME: Meinert, M. C.
REGISTRATION NUMBER: 33,544
REFERENCE/DOCKET NUMBER: GI 5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 876-1170
                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 109 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                TELEFAX: (617) 876-5851 INFORMATION FOR SEQ ID NO: 28:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/165,301A
32
                                      1 WCGPCK 6
                                                                         100.0%; Score 47; ilarity 100.0%; Pred. No. Conservative 0; Mismatch
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                                                                                                                    DB 1; Length 109;
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Search completed: February 23, 2006, 23:17:29 Job time : 48 secs

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Result
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Maximum DB
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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*
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Copyright (c) 1993 - 2006 Biocceleration Ltd.
DB
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                         US-10-032-201B-104
US-10-032-201B-105
US-10-032-201B-126
US-10-032-201B-128
US-10-501-282-3126
US-10-501-282-3126
US-10-60-118A-7
US-10-660-118A-7
US-10-451-467A-450
US-10-451-467A-614
US-09-954-342-63
US-09-954-342-64
US-09-954-342-64
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US-10-660-118A-3

US-10-755-577-4

US-09-801-260-4

US-09-801-260-4

US-10-145-586-43

US-10-425-115-351019

US-10-408-765A-312

US-10-424-599-80571

US-10-032-201B-143

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96, Appli
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450, App
614, App
62, Appl
63, Appl
64, Appl
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312, App
280571,
1143, App
102, App
104, App
105, App
1126, App
1128, App
1128, App
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LENGTH: 6
TYPE: PRT

47 100.0 104 4 US-10-032-201B-154 47 100.0 104 4 US-10-032-201B-158 47 100.0 104 4 US-10-032-201B-158 47 100.0 104 4 US-10-032-201B-158 47 100.0 104 4 US-10-032-201B-159 47 100.0 104 4 US-10-032-201B-161 47 100.0 104 4 US-10-032-201B-161 47 100.0 104 4 US-10-424-599-282588 47 100.0 104 4 US-10-424-599-282588 47 100.0 105 4 US-10-451-467A-188 47 100.0 105 4 US-10-1316-253-291 47 100.0 105 4 US-10-316-253-291 47 100.0 105 4 US-10-032-201B-106 47 100.0 105 4 US-10-032-201B-107 47 100.0 105 4 US-10-408-765A-2019 47 100.0 105 4 US-10-408-765A-2019	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	0
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	US-10-660-118A-8															US-10-032-201B-155		
	8, Appli	2019, Ap	127, App	237784,	106, App	47, Appl	•	26, App	61, Appl	188, App	82588,	76, App	•	59, App	158, App	155, App	154, App	40 12 1A

ALIGNMENTS

Sequence 4, Application US/10304287;
Publication No. US20030083234A1

GENERAL INFORMATION:
APPLICANT: Waisman, David M.
APPLICANT: Waord, Mijung
TITLE OF INVENTION: Anti-angiogenesis methods, compositions and uses therefor FILE REFERENCE: ME02-001

CURRENT APPLICATION NUMBER: US/10/304,287

CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: US 60/333,866
PRIOR APPLICATION NUMBER: US 60/333,866
PRIOR FILING DATE: 2001-11-28

NUMBER OF SEQ ID NOS: 8
SOFTWARE: Microsoft Word

SEQ ID NO 4

SEQ ID NO 4

RESULT 1 US-10-304-287-4

RESULT 2 US-10-660-118A-3 Sequence 3, Application US/10660118A Sequence 3, Application US/10660118A Publication No. US20040131606A1 GENERAL INFORMATION: APPLICATT: White, Carl W. TITLE OF INVENTION: Product and Process fo FILE REFERENCE: 2879-98 CURRENT FILING DATE: 2003-09-10 PRIOR APPLICATION NUMBER: 60/409,960 PRIOR FILING DATE: 2002-09-10 PRIOR FILING DATE: 2002-09-10 PRIOR FILING DATE: 2003-04-11 NUMBER OF SEQ ID NOS: 15 SOFTWARE: Patentin version 3.1 SEQ ID NO 3 LENGTH: 6 TYPE: PRT ORGANISM: Artificial sequence	Query Match Best Local Similarity 100 Matches 6; Conservative Qy 1 WCGPCK 6 Db 1 WCGPCK 6
ULT 2 10-660-118A-3 10-660-118A-3 10-660-118A-3 10-660-118A-3 equence 3, Application US/10660118A ublication No. US20040131606A1 ENERAL INFORMATION: APPLICANT: White, Carl W. TITLE OF INVENTION: Product and Process for Liquefaction of Mucus or Sputum FILE REFERENCE: 2879-98 CURRENT APPLICATION NUMBER: US/10/660,118A CURRENT APPLICATION NUMBER: 60/409,960 PRIOR APPLICATION NUMBER: 60/409,960 PRIOR APPLICATION NUMBER: 60/409,960 PRIOR APPLICATION NUMBER: 60/462,082 PRIOR APPLICATION NUMBER: 60/462,082 PRIOR APPLICATION NUMBER: 60/462,082 PRIOR APPLICATION NUMBER: 003-04-11 NUMBER OF SEQ ID NOS: 15 SOFTWARE: Patentin version 3.1 EQ ID NO 3 LENGTH: 6 TYPE: PRT ORGANISM: Artificial sequence	.0%; Score 47; .0%; Pred. No. 1 0; Mismatche
iquefaction of Muc	DB 4; Length 6; .7e+06; .8 0; Indels 0;
us or Sputum	; Gaps 0;

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Sequence 4, Application US/09801260

; Sequence 4, Application US/09801260

; Patent NO. US20020034801A1

; GENERAL INFORMATION:

; APPLICANT: Curtis, Rory A.J.

; APPLICANT: Curtis, Rory A.J.

; TITLE OF INVENTION: 22105, A NOVEL HUMAN THIOREDOXIN FAMILY

; TITLE OF INVENTION: MEMBER AND USES THEREOF

; FILE REFERENCE: 10448-022001

; CURRENT APPLICATION NUMBER: US/09/801,260

; CURRENT FILING DATE: 2001-03-06

; PRIOR APPLICATION NUMBER: US 60/187,447

; PRIOR FILING DATE: 2000-03-07

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 52
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US-09-801-260-4
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US-10-735-577-4
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; OTHER INFORMATION: synthetic peptide motif US-10-660-118A-3
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                                                                                                                                                       US-09-801-260-4
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Publication No. US/20040142897A1

GENERAL INFORMATION:

APPLICANT: Waisman, David M.

TITLE OF INVENTION: Compositions and Methods for Inhibiting Tumor Growth and Metastas

FILE REFERENCE: ME03-009

CURRENT APPLICATION NUMBER: US/10/735,577

CURRENT FILING DATE: 2003-12-12

PRIOR APPLICATION NUMBER: US 60/433,140

PRIOR FILING DATE: 2002-12-13

NUMBER OF SEQ ID NOS: 160
                                                                           Best Loc
Matches
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SEQ ID NO 4
LENGTH: 6
TYPE: PRT
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                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                         OTHER INFORMATION: consensus sequence
                                                                                                                                                                                             FEATURE:
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Local Similarity 100.0%;
hes 6; Conservative 0
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                                                                         100.0%; Score 47; DB ilarity 100.0%; Pred. No. 7.1; Conservative 0; Mismatches
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                                   S
                                                                                                                                                                    ; OTHER INFORMATION: Clone ID: MRT4577_83299C.1.pep
US-10-425-115-351019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: consensus sequence US-10-145-586-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 95
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 43
LENGTH: 52
                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 351019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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Publication No. US20030138890A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                             Best Local Similarity
Matches 6; Conserv
                                                                                                                     Query Match
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APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: M. Galvin, Katherine
APPLICANT: Weich, Nadine
APPLICANT: Curtis, Rory A.J.
                                                                                                                                                                                                         LENGTH: 82
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Bandaru, Rajasekhar
APPLICANT: Kapeller-Libermann, Rosana
TITLE OF INVENTION: HUMAN THIOREDOXIN FAMILY MEMBERS,
TITLE OF INVENTION: HUMAN THIOREDOXIN FAMILY MEMBERS, HUMAN LEUCINE-RICH
TITLE OF INVENTION: REPEAT FAMILY MEMBERS, AND HUMAN RINGFINGER FAMILY MEMBER
FILE REFERENCE: 10448-188001
CURRENT APPLICATION NUMBER: US/10/145,586
CURRENT FILING DATE: 2002-05-14
                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Nucleic Acid Molecules
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222)B
                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                      100.0%; Score 47; DB
100.0%; Pred. No. 10;
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RESULT 7 US-10-408-765A-312

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US-10-032-201B-143

:Sequence 143, Application US/10032201B

: Publication No. US20030167524A1
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Best Local S
Matches 6
GENERAL INFORMATION
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SEQ ID NO 280571
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 280571, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                     FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_95379C.1.pep
10-424-599-280571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
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APPLICANT: Fahy, Eoin D.
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APPLICANT: Kovalic David K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 660088.465
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ITTLE OF INVENTION: TARGETS FOR THERAPEUTIC

ITTLE OF INVENTION: IDENTIFIED IN THE MITOC
                                                                                                                                                                                                                                                                                                                   NAME/KEY: unsure
LOCATION: (1).. (90)
OTHER INFORMATION: unsure at all Xaa locations
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TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                          13 WCGPCK 18
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6; Conserv
                                                                                                                                                           1 WCGPCK 6
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Glenn, Gary M.
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Pred. No. 11;
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MITOCHONDRIAL PROTEOME
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                                                               Matches
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Best Local
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                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 38814 351B
CURRENT APPLICATION NUMBER: US/10/032,201B
CURRENT FILING DATE: 2001-12-19
NUMBER OF SEQ ID NOS: 313
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                           FILE REPERENCE: 38814 351B
CURRENT APPLICATION NUMBER: US/10/032;201B
CURRENT FILING DATE: 2001-12-19
NUMBER OF SEQ ID NOS: 313
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TITLE OF INVENTION: METHODS FOR THE PRODUCTION OF MULTIMERIC PROTEINS, AND RELATED
TITLE OF INVENTION: COMPOSITIONS
                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM: Thiocapsa roseopersicina
                                                                                                                                           ORGANISM: Chlamydia muridarum
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                                                                                                                                                                             ENGTH: 102
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27
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                                WCGPCK 6
WCGPCK 32
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Conservative
                                                                Conservative
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                                                                            100.0%;
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                                                               Score 47; DB Pred. No. 12; 0; Mismatches
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RESULT 11
US-10-032-201B-104
; Sequence 104; Application US/10032201B
; Publication No. US20030167524A1

GENERAL

INFORMATION:

APPLICANT:

Van Rooijen, Gijs Deckers, Harm

Deckers, Harm Heifetz, Peter Bernard

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               GENERAL INFORMATION:
APPLICANT: Van Rooijen, Gijs
APPLICANT: Deckers, Harm
APPLICANT: Heifetz, Peter Beri
APPLICANT: Briggs, Steven
APPLICANT: Dalmia, Bipin Kuma:
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TITLE OF INVENTION: METHODS FOR THE PRODUCTION OF MULTIMERIC PROTEINS, AND RELATED
TITLE OF INVENTION: COMPOSITIONS
FILE REFERENCE: 38814 351B
CURRENT APPLICATION UNMBER: US/10/032,201B
CURRENT FILING DATE: 2001-12-19
NUMBER OF SEQ ID NOS: 313
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 104
LENGTH: 102
                                                                                                               Sequence 126, Application US/10032201B Publication No. US20030167524A1 GENERAL INFORMATION:
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SEQ ID NO 105
LENGTH: 102
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Best Local
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APPLICANT:
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ORGANISM: Psittaci
-10-032-201B-104
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APPLICANT: Deckers, Harm
APPLICANT: Heifetz, Peter Be
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TITLE OF INVENTION: METHODS FOR THE PRODUCTION OF MULTIMERIC PROTEINS, AND RELATED
TITLE OF INVENTION: COMPOSITIONS
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Dalmia, Bipin Kumar
Del Val, Greg
Zaplachinski, Steve
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Heifetz, Peter Bernard
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Zaplachinski,
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Dalmia, Bipin Kumar
Briggs, Steven
Dalmia, Bipin Kumar
Del Val, Greg
                                                   Deckers, Harm
Heifetz, Peter Bernard
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o. US20030167524A1
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TITLE OF INVENTION: METHODS FOR THE PRODUCTION OF MULTIMERIC PROTEINS,
TITLE OF INVENTION: COMPOSITIONS
FILE REFERENCE: 38814 351B
CURRENT APPLICATION NUMBER: US/10/032,201B
CURRENT FILING DATE: 2001-12-19
NUMBER OF SEQ ID NOS: 313
SOFTWARE: FASUSEQ for Windows Version 4.0
SEQ ID NO 126
LENGTH: 102
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CURRENT FILING DATE: 2001-12-19
NUMBER OF SEQ ID NOS: 313
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 128
LENGTH: 102
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Matches
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GENERAL INFORMATION:
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Publication No. US20050203280A1
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APPLICANT: ZAGURSKY, ROBERT JOHN
APPLICANT: ZAGURSKY, ROBERT JOHN
APPLICANT: RUSSELL, DAVID PARRISH
APPLICANT: FLETCHER, LEAH DIANE
TITLE OF INVENTION: ALLOIOCOCCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES T
FILE REFERENCE: AM100780 L2
CURRENT APPLICATION NUMBER: US/10/501,282
CURRENT FILING DATE: 2004-07-09
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APPLICANT: Deckers, Harm
APPLICANT: Heifetz, Peter Be
APPLICANT: Briggs, Steven
APPLICANT: Dalmia, Bipin Kun
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TITLE OF INVENTION: METHODS FOR THE PRODUCTION
TITLE OF INVENTION: COMPOSITIONS
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Zaplachinski, Steve
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Heifetz, Peter Bernard
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o. US20030167524A1
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PRIOR APPLICATION NUMBER: 60/333,777

PRIOR FILING DATE: 2001-11-29

PRIOR APPLICATION NUMBER: 60/426,742

PRIOR APPLICATION NUMBER: 60/426,742

PRIOR FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: PCT/US02/36123

PRIOR APPLICATION NUMBER: PCT/US02/36123

PRIOR APPLICATION NUMBER: PCT/US02/36123

PRIOR FILING DATE: 2002-11-25

NUMBER OF SEQ ID NOS: 6653

SOFTWARE: PatentIn version 3.2

TYPE: PRT

ORGANISM: Alloiococcus otitidis

US-10-501-282-3126

Query Match
Best Local Similarity 100.0%; Score 47; DB 5; Length 102;

Best Local Similarity 100.0%; Pred. No. 12;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps

ON 1 WCGPCK 6

DW 1 WCGPCK 32

Search completed: February 23, 2006, 23:20:19

Search completed: February 23, 2006, 23:20:19
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Mis pool Blonk (130)

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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                                                    Published Applications AA_New:*

1: /cgn2 6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*

2: /cgn2-6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

4: /cgn2-6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*

5: /cgn2-6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

6: /cgn2-6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

7: /cgn2-6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*

8: /cgn2-6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
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length: 2000000000
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US-11-090-916-7
US-10-090-916-8
US-11-090-916-9
US-11-090-916-10
US-11-090-916-11
US-11-090-916-12
US-11-090-916-12
US-11-106-796-13
US-11-144-301A-10
US-11-090-916-4
US-11-090-916-4
US-11-144-301A-10
US-11-144-301A-14
US-11-144-301A-14
US-11-144-7
US-11-144-31A-14-7
US-11-131-744-7
US-11-131-744-7
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Biocceleration Ltd.
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Sequence
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10612, A
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286, Appli
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	1409, Ap	1287, Ap	1282, Ap	1, Appli	70, Appl	114, App	344, App	-	6, Appli	426, App	703, App	8494, Ap	15, Appl		8, Appli	13, Appl	-	•	16, Appl	•

Title:

on:

ALIGNMENTS

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RESULT 2
US-11-131-744-2
Sequence 2, Application US/11131744
; Publication No. US20060023808A1
; GENERAL INFORMATION:
; APPLICANT: HADJUANDI, MAHBOD R.
; APPLICANT: POPE, ROBERT M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-090-916-3; Sequence 3, Application US/11090916; Publication No. US20050260140A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                             US-11-090-916-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: 2879-98-1
CURRENT APPLICATION NUMBER: US/11/090,916
CURRENT FILING DATE: 2005-03-24
PRIOR APPLICATION NUMBER: 60/409,960
PRIOR FILING DATE: 2002-09-10
PRIOR PILING DATE: 2002-09-10
PRIOR PELING DATE: 2003-04-11
PRIOR APPLICATION NUMBER: 10/660,118
PRIOR APPLICATION NUMBER: 00/556,516
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/556,516
PRIOR APPLICATION NUMBER: 60/556,516
PRIOR APPLICATION NUMBER: 60/556,516
PRIOR APPLICATION NUMBER: 60/550,865
PRIOR APPLICATION NUMBER: 60/650,865
PRIOR APPLICATION NUMBER: 60/650,865
PRIOR APPLICATION NUMBER: 60/650,865
PRIOR FILING DATE: 2005-02-07
                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 6; Conserv
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SOFTWARE: PatentIn version 3.3
SEQ ID NO 3
LENGTH: 6
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: White, Carl W.
APPLICANT: del Val, Greg
APPLICANT: Lee, Rees
APPLICANT: Lee, Rees
TITLE OF INVENTION: Mucolytic and Anti-Elastase Compounds and Methods of Use Thereof
                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE: OTHER INFORMATION: synthetic peptide motif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                             1 WCGPCK 6
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Pred. No. 8.3e+04;
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SADEGHI, MEHRNOOSH

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CURRENT FILING DATE: 2005-05-17
PRIOR APPLICATION NUMBER: 60/572,290
PRIOR FILING DATE: 2005-05-17
PRIOR APPLICATION NUMBER: 60/669,373
PRIOR FILING DATE: 2005-04-08
PRIOR FILING DATE: 2005-04-08
PRIOR FILING DATE: 2004-05-17
PRIOR FILING DATE: 2004-05-17
PRIOR APPLICATION NUMBER: 60/621,685
PRIOR FILING DATE: 2004-10-26
PRIOR FILING DATE: 2004-10-26
PRIOR FILING DATE: 2004-10-26
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Best Local Similarity
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LENGTH: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR CALIBRATION IN MASS TITLE OF INVENTION: SPECTROMETRY FILE REFERENCE: NVX-28 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRICE APPLICATION NUMBER: 60/669,373
PRIOR FILING DATE: 2005-04-08
PRIOR APPLICATION NUMBER: 60/572,215
PRIOR FILING DATE: 2004-05-17
PRIOR APPLICATION NUMBER: 60/621,685
PRIOR FILING DATE: 2004-10-26
PRIOR FILING DATE: 2004-10-26
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CURRENT FILING DATE: 2005-05-17
CRICK APPLICATION NUMBER: 60/572,290
PRIOR FILING DATE: 2005-05-17
                                                                                                                                                  NUMBER OF SEQ ID NOS:
SOFTWARE: PatentIn Vei
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
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SOFTWARE: PatentIn Ver. 3.3
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                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/621,686 PRIOR FILING DATE: 2004-10-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: HAJIVANDI, MAHBOD R. APPLICANT: POPE, ROBERT M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: protein sequence
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ORGANISM: Artificial Sequence
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OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: protein sequence
                                                   ORGANISM: Artificial Sequence FEATURE:
                                                                                                                           LENGTH: 91
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LEITE, JOHN F.
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LEITE, JOHN F.
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                                                                                                                                                                         Ver.
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; ORGANISM: Saccharomyces cerevisiae
US-11-090-916-7
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Best Local Similarity
Matches 6; Conserv
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NUMBER OF SEQ ID NOS: 381
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 286
LENGTH: 103
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                                                                                                                                                     SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION
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Best Local Similarity
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                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/556,516
PRIOR FILING DATE: 2004-03-24
PRIOR APPLICATION NUMBER: 60/650,865
PRIOR FILING DATE: 2005-02-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Mucolytic and Anti-Elastase Compounds and Methods of Use Thereof FILE REFERENCE: 2879-98-1 CURRENT APPLICATION NUMBER: US/11/090,916 CURRENT FILING DATE: 2005-03-24 PRIOR APPLICATION NUMBER: 60/409,960 PRIOR FILING DATE: 2002-09-10 PRIOR FILING DATE: 2002-09-10 PRIOR FILING DATE: 2003-04-11 PRIOR FILING DATE: 2003-04-11 PRIOR FILING DATE: 2003-09-10 PRIOR FILING DATE: 2003-
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CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: 60/551,161
PRIOR FILING DATE: 2004-03-08
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TITLE OF INVENTION: Nucleic Acid Sequences Encoding
TITLE OF INVENTION: Stress-Related Proteins and Uses Therefore
FILE REFERENCE: 5051-694
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: White, APPLICANT: del V APPLICANT: Lee,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Lactobacillus acidophilus
                                                                          TYPE: PRT
                                                                                                          ENGTH: 103
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100.0%; Pred. No. 0.23;
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100.0%; Pred. No. 0.25;
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Query Match
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Matches
 Query Match
                                                                                              SEQ ID NO 8
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SEQ ID NO 137
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Publication No. US20050255114A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
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PRIOR FILING DATE: 2003-04-07
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                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/409,960 PRIOR FILING DATE: 2002-09-10
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                                               ORGANISM: Gallus gallus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                               ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LICANT: Tang, Y. Tom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 100 es 6; Conservative
                                                                                                                                                                                                                       APPLICATION NUMBER: 60/462,082
FILING DATE: 2003-04-11
APPLICATION NUMBER: 10/660,118
                                                                                                                                                                                          FILING DATE: 2003-09-10
APPLICATION NUMBER: 60/556,516
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                                                                                                                                                                              LING DATE:
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                                                                                                              PatentIn version 3.3
                                                                                                                                                              ICATION NUMBER: 60/650,865
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 Score 47;
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 DB 7;
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Length 105;
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Best Local Similarity
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Publication
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                                                                                                                                                                                        FILE REFERENCE: 2879-98-1
CURRENT APPLICATION NUMBER: US/11/090,916
CURRENT FILING DATE: 2005-03-24
NUMBER OF
                PRIOR FILING DATE:
                               PRIOR FILING DATE: 2004-0
PRIOR APPLICATION NUMBER:
                                                                                   PRIOR APPLICATION NUMBER: 60/462,082
PRIOR FILING DATE: 2003-04-11
PRIOR APPLICATION NUMBER: 10/660,118
PRIOR FILING DATE: 2003-09-10
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CURRENT APPLICATION NUMBER: US/11/090,916
CURRENT FILING DATE: 2005-03-24
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ORGANISM: Mus musculus
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                                                 APPLICATION NUMBER: FILING DATE: 2004-0
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                                                                                                                                                                                                                                                           Lee,
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              2005-02-07
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US-11-090-916-11
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; LENGTH: 105
; TYPE: PRT
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Matches 6; Conserv
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                                                                                                      APPLICANT: Lee, Rees
TITLE OF INVENTION: Mucolytic and Anti-Elastase Compounds and Methods of Use
FILE REFERENCE: 2879-98-1
CURRENT APPLICATION NUMBER: US/11/090,916
CURRENT FILING DATE: 2005-03-24
CURRENT FILING DATE: 2005-03-24
PRIOR APPLICATION NUMBER: 60/409,960
PRIOR PILING DATE: 2003-04-11
PRIOR FILING DATE: 2003-04-11
                                                                                                                                                                                                                                                                                         APPLICANT: White, Carl W. APPLICANT: del Val, Greg APPLICANT: Lee, Rees
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CURRENT FILING DATE: 2005-03-24
PRIOR APPLICATION NUMBER: 60/409,960
PRIOR FILING DATE: 2002-09-10
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                                                              PRIOR APPLICATION NUMBER: 10/660,118 PRIOR FILING DATE: 2003-09-10
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PRIOR TILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/556,516
PRIOR FILING DATE: 2004-03-24
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TITLE OF INVENTION: Mucolytic and Anti-Elastase Compounds and Methods of Use Thereof
FILE REFERENCE: 2879-98-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE:
APPLICATION NUMBER: 60/650,865
                                     APPLICATION NUMBER: 60/556,516
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; PRIOR FILING DATE: 2005-02-07; NUMBER OF SEQ ID NOS: 15; SOFTWARE: Patentin version 3.3; SEQ ID NO 12; LENGTH: 105; TYPE: PRT; ORGANISM: Homo sapiens US-11-090-916-12
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US-11-144-301A-9
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; ORGANISM: Homo sapiens
US-11-144-301A-9
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                                                    SOFITTH: 105
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CURRENT FILING DATE: 2005-04-15
PRIOR APPLICATION NUMBER: 60/562,526
PRIOR FILING DATE: 2004-04-15
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                PRIOR APPLICATION NUMBER: US 60/577,089
PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 10/369,094
PRIOR FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: US 60/357,383
PRIOR FILING DATE: 2002-02-15
                                                                                                                                                                                                                                                      FILE REFERENCE: 28517-501 UTIL CURRENT APPLICATION NUMBER: US/11/144,301A CURRENT FILING DATE: 2005-06-03
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APPLICANT: MIRANDA-VIZUETE, ANTONIO
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR EVALUATION OF FERTILITY
                                                                                             NUMBER OF SEQ ID NOS: 10 SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                               APPLICANT: Johanna, Ungerstedt
TITLE OF INVENTION: USE OF THIOREDOXIN MEASUREMENTS FOR DIAGNOSTICS AND TREATMENTS
                                                                                                                                                                                                                                                                                                                                      APPLICANT: Marks, APPLICANT: Johann
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                                      LENGTH: 10
TYPE: PRT
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TYPE: PRT
ORGANISM: Homo sapiens
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US-11-144-301A-10
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US-11-032-773-943
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Best Local Similarity 100
Matches 6; Conservative
Query Match
Best Local Similarity
Matches 6; Conserv
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SEQ ID NO 10
LENGTH: 105
                                                                                     LENGTH: 105
TYPE: PRT
ORGANISM: Mus musculus
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank BAA04881
DATABASE ENTRY DATE: 2002-12-25
-11-032-773-943
                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Levy, Ronald
TITLE OF INVENTION: DESIGN OF THERAPEUTICS AND THERAPEUTICS
FILE REFERENCE: 17102-013001 / 1762
FURRENT APPLICATION NUMBER: US. 17102-773
CURRENT FILING DATE: 2005-01-11
CURRENT FILING DATE: 2005-01-11
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PRIOR FILING DATE: 2004-06-04
PRIOR APPLICATION NUMBER: US 10/369,094
PRIOR FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: US 60/357,383
PRIOR FILING DATE: 2002-02-15
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TITLE OF INVENTION: USE OF THIOREDOXIN MEASUREMENTS FOR DIAGNOSTICS AND TREATMENTS
FILE REFERENCE: 28517-501 UTIL
                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 958
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APPLICANT: Levy, Ronald
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APPLICANT: Johanna, Unge
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blication No. US20050288227A1
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  100.0%; Score 47; DB 7; Length 105; ilarity 100.0%; Pred. No. 0.25; Conservative 0; Mismatches 0; Indels
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Search completed: February 23, 2006, 23:20:43 Job time : 18 secs

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